

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

Final 1 CDMA Mice Core Study

**NTP Study Number:** C20105B  
**Lock Date:** 04/07/2016  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** 25022 ACCK  
25019 MSAC  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.4\_cartox  
**PWG Approval Date:** NONE

25021 TSAC

25020 NATD

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 588

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                      |
|--------------------------|-----------------------------|---------------------------|----------------------|
| * Adrenal Cortex         | * Adrenal Medulla           | * Aorta                   | * Bone               |
| * Bone Marrow            | * Brain Trigeminal Ganglion | * Esophagus               | * Eye                |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose                    | * Pituitary Gland    |
| * Preputial Gland        | * Prostate                  | * Seminal Vesicle         | * Skin               |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular |
| Testis                   | * Thyroid Gland             | * Trachea                 | * Urinary Bladder    |

MISSING

- |                 |                     |                             |          |
|-----------------|---------------------|-----------------------------|----------|
| * Mammary Gland | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Thymus |
|-----------------|---------------------|-----------------------------|----------|

AUTO PRECLUDES DIAG.

- |               |                             |                          |                            |
|---------------|-----------------------------|--------------------------|----------------------------|
| * Gallbladder | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|---------------|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- |                          |  |                          |                     |
|--------------------------|--|--------------------------|---------------------|
| * Brain                  |  | Hemorrhage               | Mild                |
|                          |  | Hepatocholangiocarcinoma | Metastatic (Liver)  |
|                          |  | Mineral                  | Mild                |
| * Epididymis             |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Harderian Gland        |  | Infiltration Cellular    | Lymphocyte, Mild    |
| * Heart                  |  | Hepatocholangiocarcinoma | Metastatic (Liver)  |
| * Kidney                 |  | Hepatocholangiocarcinoma | Metastatic (Liver)  |
| * Liver                  |  | Hepatocholangiocarcinoma |                     |
|                          | [ Hepatocholangiocarcinoma TGLs = 4-19, 5-19, 6-21 ] |                          |                     |
| * Lung                   |  | Hepatocholangiocarcinoma | Metastatic (Liver)  |
|                          | [ Hepatocholangiocarcinoma TGLs = 3-10 ]             |                          |                     |
| Lymph Node               | Axillary   | Hepatocholangiocarcinoma | Metastatic (Liver)  |
|                          | [ Hepatocholangiocarcinoma TGLs = 7-20 ]             |                          |                     |
| * Lymph Node, Mesenteric |  | Hemorrhage               | Mild                |
| Mesentery                | Fat  | Hepatocholangiocarcinoma | Metastatic (Liver)  |
|                          | [ Hepatocholangiocarcinoma TGLs = 9-24 ]             |                          |                     |
| * Pancreas               |  | Hepatocholangiocarcinoma | Metastatic (Liver)  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 588

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Peritoneum

[ Hepatocholangiocarcinoma TGLs = 8-22 ]

Hepatocholangiocarcinoma

Metastatic (Liver)

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Skeletal Muscle

[ Hepatocholangiocarcinoma TGLs = 13-3 ]

Hepatocholangiocarcinoma

Metastatic (Liver)

\* Thyroid GI

Note: One thyroid gland examined.

---

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

---

Animal Note: TGL 1 = NST; TGLs 2, 10, 11, & 12 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-3

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Preputial Gland
- \* Skin
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Thymus

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
    - Subcapsular
      - Accessory Adrenal Cortical Nodule
      - Hyperplasia
      - Mineral
      - Cardiomyopathy
      - Nephropathy
      - Hepatocellular Carcinoma
  - \* Brain
  - \* Heart
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Carcinoma TGLs = 1-12 ]
    - Hepatocellular Carcinoma
  - \* Lung
    - Hyperplasia
    - Hemorrhage
  - \* Lymph Node, Mandibular
  - \* Lymph Node, Mesenteric
  - \* Parathyroid GI
    - Note: One parathyroid examined.
    - Note: One parathyroid gland examined.
  - \* Salivary Glands
  - \* Spleen
  - \* Urinary Bladder
- Mild
  - Minimal
  - Minimal
  - Chronicprogr, Mild
  - Metastatic (Liver)
  - Lymphoid, Minimal
  - Mild
  - Lymphocyte, Minimal
  - Mild
  - Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Minimal
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                      Adenocarcinoma
- [ Adenocarcinoma    TGLs = 5-5 ]
- \* Kidney                                      Nephropathy                              Chronicprogr, Mild
- \* Liver                                      Hepatocellular Adenoma                      Multiple
- [ Hepatocellular Adenoma    TGLs = 1-19 ]
- [ Hepatocellular Carcinoma    TGLs = 2-20 ]
- \* Lung                                      Alveolar/Bronchiolar Carcinoma                      Histiocyte, Minimal
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 3-10 ]
- \* Nose                                      Respirat Epith                              Hyperplasia                      Mild
- \* Peripheral Nerve, Sciatic                      Axon                                      Degeneration                      Minimal
- \* Preputial Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Mild
- \* Skin                                      Ulcer                                      Moderate
- [ Ulcer    TGLs = 4-21 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-4

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-6

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Esophagus                 | * Eye                       | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric    | * Nose                     | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Prostate                |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       | Testis                    |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder          |                           |

MISSING

- |                             |                          |                 |                    |
|-----------------------------|--------------------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
| * Thymus                    |                          |                 |                    |

OBSERVATIONS

- |                          |               |                        |                       |
|--------------------------|---------------|------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia            | Mild                  |
| * Brain                  |               | Mineral                | Minimal               |
| * Epididymis             |               | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                 | Interstitium  | Infiltration Cellular  | Lymphocyte, Mild      |
|                          |               | Nephropathy            | Chronicprogr, Minimal |
| * Liver                  |               | Fatty Change           | Minimal               |
|                          |               | Hepatocellular Adenoma |                       |
| [ Hepatocellular Adenoma | TGLs = 2-12 ] |                        |                       |
| Mesentery                | Fat           | Necrosis               | Mild                  |
| [ Necrosis TGLs = 3-6 ]  |               |                        |                       |
| * Preputial Gland        | Duct          | Dilation               | Marked                |
|                          |               | Infiltration Cellular  | Lymphocyte, Minimal   |
| [ Dilation TGLs = 1-16 ] |               |                        |                       |
| * Salivary Glands        |               | Infiltration Cellular  | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 7

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-7

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Glandular

Epithelium

Hyperplasia

Focal, Mild

[ Hyperplasia TGLs = 5-14 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-8

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Bone                   | * Bone Marrow             | * Brain Trigeminal Ganglion |
| * Epididymis             | * Esophagus              | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nerve Trigeminal       | * Nose                   | * Pancreas                | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Preputial Gland        | * Prostate                | * Seminal Vesicle           |
| * Skeletal Muscle        | * Skin                   | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular     | Testis                    | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder        |                           |                             |

MISSING

- |                 |                     |          |
|-----------------|---------------------|----------|
| * Mammary Gland | * Parathyroid Gland | * Thymus |
|-----------------|---------------------|----------|

AUTO PRECLUDES DIAG.

- |               |                            |
|---------------|----------------------------|
| * Gallbladder | * Intestine Small, Jejunum |
|---------------|----------------------------|

OBSERVATIONS

- |                               |  |                                |                       |
|-------------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex              | Subcapsular  | Hyperplasia                    | Mild                  |
| * Aorta                       |  | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung)     |
|                               | [ Alveolar/Bronchiolar Carcinoma TGLs = 2-11 ]       |                                |                       |
| * Brain                       |  | Mineral                        | Mild                  |
| * Heart                       |  | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung)     |
|                               | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-11 ]       |                                |                       |
| * Kidney                      |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                       |  | Hepatocellular Adenoma         |                       |
| * Lung                        |  | Alveolar/Bronchiolar Carcinoma |                       |
|                               | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-10, 3-10 ] |                                |                       |
| * Pituitary Gland             |  |                                |                       |
| Note: Pars distalis examined. |  |                                |                       |
| * Salivary Glands             |  | Infiltration Cellular          | Lymphocyte, Minimal   |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Animal Note: TGL 5 = NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-10

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                      | * Thymus                 | * Thyroid Gland             |
| * Trachea                   |                             |                          |                             |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |  |             |                       |                       |
|--|-------------|-----------------------|-----------------------|
| * Adrenal Cortex                                   | Subcapsular | Hyperplasia           | Mild                  |
|  |             | Hyperplasia           | Focal, Mild           |
| * Brain  |             | Mineral               | Mild                  |
| * Epididymis                                       |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney   |             | Metaplasia            | Osseous               |
|  |             | Nephropathy           | Chronicprogr, Minimal |
| Note: There is focal bone formation in one cortex. |             |                       |                       |
| * Liver  |             | Clear Cell Focus      |                       |
|  |             | Fatty Change          | Mild                  |
| [ Clear Cell Focus TGLs = 1-12 ]                   |             |                       |                       |
| * Preputial Gland                                  |             | Infiltration Cellular | Lymphocyte, Mild      |
| * Salivary Glands                                  |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Urinary Bladder                                  |             | Infiltration Cellular | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 263

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-11

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                            |                          |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Bone                    | * Brain                     | * Epididymis               | * Esophagus              |
| * Eye                     | * Gallbladder               | * Harderian Gland          | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic     |
| * Pancreas                | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Preputial Gland        |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle          | * Skeletal Muscle        |
| * Skin                    | * Spinal Cord               | * Stomach, Forestomach     | * Stomach, Glandular     |
| Testis                    | * Thyroid Gland             | * Trachea                  | * Urinary Bladder        |

MISSING

- |                             |                             |                 |                    |
|-----------------------------|-----------------------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Intestine Small, Duodenum | * Mammary Gland | * Nerve Trigeminal |
| * Parathyroid Gland         | * Thymus                    |                 |                    |

OBSERVATIONS

- |                          |                                       |                    |
|--------------------------|---------------------------------------|--------------------|
| * Adrenal Cortex         |                                       | Lymphoma Malignant |
| * Adrenal Medulla        |                                       | Lymphoma Malignant |
| * Aorta                  |                                       | Lymphoma Malignant |
| * Bone Marrow            |                                       | Lymphoma Malignant |
| * Heart                  |                                       | Lymphoma Malignant |
| * Intestine Large, Cecum |                                       | Lymphoma Malignant |
| * Kidney                 |                                       | Lymphoma Malignant |
| * Liver                  |                                       | Lymphoma Malignant |
| * Lung                   |                                       | Lymphoma Malignant |
| Lymph Node               | Bronchial                             | Lymphoma Malignant |
|                          | Mediastinal                           | Lymphoma Malignant |
|                          | Iliac                                 | Lymphoma Malignant |
|                          | Lumbar                                | Lymphoma Malignant |
| [ Lymphoma Malignant     | TGLs = 4-19 ]                         |                    |
| [ Lymphoma Malignant     | TGLs = 4-19, 5-20, 6-21, 7-21, 8-21 ] |                    |
| * Lymph Node, Mandibular |                                       | Lymphoma Malignant |
| [ Lymphoma Malignant     | TGLs = 1-9 ]                          |                    |
| * Lymph Node, Mesenteric |                                       | Lymphoma Malignant |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 11

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 263

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-11

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Lymphoma Malignant TGLs = 3-15 ]

\* Nose

Lymphoma Malignant

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 2-12 ]

---

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Kidney Lymphoma Malignant

- Lung Lymphoma Malignant

---

Animal Note: TGLs 9 & 10 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-13

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Bone
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Eye
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Nose
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Prostate
- \* Pancreas
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Seminal Vesicle
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Brain
  - \* Epididymis
  - \* Harderian Gland
  - \* Heart
  - \* Kidney
  - \* Liver
  - \* Lung
  - \* Lymph Node, Mesenteric
  - \* Peripheral Nerve, Sciatic
  - \* Preputial Gland
  - Mineral
  - Infiltration Cellular
  - Infiltration Cellular
  - Cardiomyopathy
  - Infiltration Cellular
  - Nephropathy
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Hepatocellular Carcinoma
  - Hemangioma
  - Degeneration
  - Dilation
  - Inflammation
  - Minimal
  - Lymphocyte, Minimal
  - Lymphocyte, Minimal
  - Minimal
  - Lymphocyte, Mild
  - Chronicprogr, Mild
  - Multiple
  - Metastatic (Liver)
  - Minimal
  - Moderate
  - Chronic Active, Mild
- [ Hepatocellular Adenoma TGLs = 5-19, 6-20 ]
- [ Hepatocellular Carcinoma TGLs = 7-12,8-12 ]
- [ Hepatocellular Carcinoma TGLs = 9-10 ]
- [ Hemangioma TGLs = 2-15, 3-15 ]
- [ Dilation TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 13

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-13

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Mild

[ Extramedullary Hematopoiesis TGLs = 4-12 ]

\* Stomach, Glandular

Hemorrhage

Mild

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-14

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Minimal
- \* Kidney                                      Renal Tubule                      Cyst                                      Nephropathy                      Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus                      Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma    TGLs = 1-19 ]
- \* Lung                                      Alveolar/Bronchiolar Adenoma                      Alveolar/Bronchiolar Carcinoma                      Infiltration Cellular                      Histiocyte, Mild
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 2-10 ]
- \* Lymph Node, Mesenteric                      Infiltration Cellular                      Histiocyte, Mild
- \* Preputial Gland                      Bilateral, Duct                      Dilatation                                      Mild
- \* Prostate                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-15

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate               | * Seminal Vesicle          | * Skeletal Muscle           |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular        |
| Testis                      | * Thymus                 | * Thyroid Gland            | * Trachea                   |
| * Urinary Bladder           |                          |                            |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                     |                                |                              |                       |
|-------------------------------------|--------------------------------|------------------------------|-----------------------|
| * Adrenal Cortex                    | Subcapsular                    | Hyperplasia                  | Mild                  |
| * Adren Medulla                     |                                |                              |                       |
| Note: One adrenal medulla examined. |                                |                              |                       |
| * Brain                             |                                | Mineral                      | Minimal               |
| * Epididymis                        |                                | Infiltration Cellular        | Lymphocyte, Mild      |
| * Harderian Gland                   |                                | Adenoma                      |                       |
|                                     |                                | Hemorrhage                   | Mild                  |
| * Kidney                            | Interstitial                   | Infiltration Cellular        | Lymphocyte, Mild      |
|                                     |                                | Nephropathy                  | Chronicprogr, Minimal |
| * Lung                              |                                | Alveolar/Bronchiolar Adenoma | Multiple              |
|                                     | [ Alveolar/Bronchiolar Adenoma | TGLs = 2-19, 3-20 ]          |                       |
| * Parathyroid Gland                 |                                |                              |                       |
| Note: One parathyroid examined.     |                                |                              |                       |
| * Preputial Gland                   | Duct                           | Dilation                     | Moderate              |
| * Salivary Glands                   |                                | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Spinal Cord                       |                                | Necrosis                     | Minimal               |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-16

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Brain Mineral
- \* Harderian Gland Infiltration Cellular
- \* Intestine Small, Jejunum Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 4-14 ]
- \* Kidney Hepatocellular Carcinoma
- Nephropathy
- \* Liver Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 9-12, 10-12, 9-19, 9-20, 10-19, 10-20, 5-20 ]
- \* Lung Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 6-10 ]
- \* Parathyroid GI
- Note: One parathyroid examined.
- \* Preputial Gland Bilateral, Duct
- Dilation
- [ Dilation TGLs = 7-16 ]
- Infiltration Cellular

- Minimal
- Lymphocyte, Minimal
- Metastatic (Liver)
- Metastatic (Liver)
- Chronicprogr, Mild
- Metastatic (Liver)
- Mild
- Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 695

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-16

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Skeletal Muscle

Degeneration

Mild

[ Degeneration TGLs = 8-11 ]

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Thymus

Atrophy

Marked

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

Animal Note: TGL 1 = NST; TGLs 2 & 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-17

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                             |                            |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Epididymis              | * Esophagus                 | * Eye                       | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal         |
| * Nose                    | * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                | * Seminal Vesicle           | * Skeletal Muscle           | * Spinal Cord              |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                     |
| * Thymus                  | * Thyroid Gland             | * Trachea                   | * Urinary Bladder          |

MISSING

- |                             |                 |                     |
|-----------------------------|-----------------|---------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Parathyroid Gland |
|-----------------------------|-----------------|---------------------|

OBSERVATIONS

- |                   |  |                          |                       |
|-------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia              | Mild                  |
| * Brain           |  | Mineral                  | Minimal               |
| * Kidney          | Interstitium                             | Infiltration Cellular    | Lymphocyte, Mild      |
|                   |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver           |  | Hepatocellular Carcinoma |                       |
|                   | [ Hepatocellular Carcinoma TGLs = 3-12 ] |                          |                       |
| * Lung            |  | Hepatocellular Carcinoma | Metastatic (Liver)    |
| * Preputial Gland | Duct                                     | Dilation                 | Marked                |
|                   | [ Dilation TGLs = 2-16 ]                 |                          |                       |
| * Salivary Glands |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Skin            |  | Pilomatrixoma            |                       |
|                   | [ Pilomatrixoma TGLs = 1-9.1RC ]         |                          |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-19

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Liver                   |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Glandular      |
| Testis                      | * Thymus                 | * Thyroid Gland             | * Trachea                 |
| * Urinary Bladder           |                          |                             |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |             |  |                              |
|--|-------------|--|------------------------------|
| * Adrenal Cortex                                     | Subcapsular | Hyperplasia                              | Mild                         |
| * Adren Medulla                                      |             |  |                              |
| Note: One adrenal medulla examined.                  |             |  |                              |
| * Brain  |             | Mineral                                  | Mild                         |
| * Epididymis   |             | Granuloma Sperm<br>Infiltration Cellular | Moderate<br>Lymphocyte, Mild |
| * Harderian Gland                                    |             | Adenocarcinoma<br>Infiltration Cellular  | Lymphocyte, Minimal          |
| [ Adenocarcinoma TGLs = 3-5 ]                        |             |  |                              |
| * Islets, Pancreatic                                 |             | Hyperplasia                              | Mild                         |
| * Kidney   |             | Nephropathy                              | Chronicprogr, Minimal        |
| * Lung   |             | Alveolar/Bronchiolar Carcinoma           |                              |
| [ Alveolar/Bronchiolar Carcinoma TGLs = 1-10, 2-19 ] |             |  |                              |
| * Parathyroid Gland                                  |             |  |                              |
| Note: One parathyroid examined.                      |             |  |                              |
| * Preputial Gland                                    |             | Infiltration Cellular                    | Lymphocyte, Mild             |
| * Stomach, Forestomach                               | Epithelium  | Hyperplasia                              | Focal, Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-19

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 4-20 ]

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-20

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                             |                            |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain                   | * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   |
| * Nose                    | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord             | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                    | * Thymus                    | * Thyroid Gland             | * Trachea                  |
| * Urinary Bladder         |                             |                             |                            |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |  |                        |                       |
|---------------------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia            | Minimal               |
| * Epididymis                          |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland                     |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                              | Interstitium   | Infiltration Cellular  | Lymphocyte, Mild      |
|                                       |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver                               |  | Hepatoblastoma         |                       |
|                                       |  | Hepatocellular Adenoma | Multiple              |
|                                       | [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 5-12, 1-19, 4-19 ] |                        |                       |
| * Pancreas                            |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Parathyroid Gland                   |  |                        |                       |
| Note: One parathyroid gland examined. |  |                        |                       |
| * Preputial Gland                     |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands                     |  | Infiltration Cellular  | Lymphocyte, Mild      |
| Tooth                                 |  | Dysplasia              | Minimal               |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-21

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- Testis
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Stomach, Glandular

OBSERVATIONS

- |                                 |  |                                |                       |
|---------------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex                | Subcapsular  | Hyperplasia                    | Mild                  |
| * Brain                         |  | Mineral                        | Mild                  |
| * Epididymis                    |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Islets, Pancreatic            |  | Hyperplasia                    | Moderate              |
| * Kidney                        | Interstitium   | Infiltration Cellular          | Lymphocyte, Minimal   |
|                                 |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                         |  | Clear Cell Focus               |                       |
|                                 |  | Fatty Change                   | Mild                  |
|                                 |  | Hepatocellular Adenoma         | Multiple              |
|                                 | [ Hepatocellular Adenoma TGLs = 1-20, 2-12, 3-12, 4-12, 5-20 ] |                                |                       |
| * Lung                          |  | Alveolar/Bronchiolar Carcinoma |                       |
|                                 | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-19 ]                 |                                |                       |
| * Parathyroid GI                |  |                                |                       |
| Note: One parathyroid examined. |  |                                |                       |
| * Preputial Gland               |  | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 21

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-21

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

Minimal

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 23

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-23

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate               |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Stomach, Forestomach   |
| * Stomach, Glandular        | Testis                      | * Thymus                    | * Thyroid Gland          |
| * Trachea                   | * Urinary Bladder           |                             |                          |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                                     |  |                              |                       |
|-------------------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex                    | Subcapsular                            | Hyperplasia                  | Mild                  |
| * Adren Medulla                     |  |                              |                       |
| Note: One adrenal medulla examined. |  |                              |                       |
| * Brain                             |  | Mineral                      | Minimal               |
| * Intestine Small, Jejunum          | Epithelium                             | Cyst                         |                       |
| * Islets, Pancreatic                |  | Hyperplasia                  | Moderate              |
| * Kidney                            | Renal Tubule                           | Cyst                         |                       |
|                                     | Interstitialium                        | Infiltration Cellular        | Lymphocyte, Mild      |
|                                     |  | Metaplasia                   | Osseous               |
|                                     |  | Nephropathy                  | Chronicprogr, Minimal |
|                                     | [ Cyst TGLs = 1-13 ]                   |                              |                       |
| * Liver                             |  | Clear Cell Focus             |                       |
|                                     |  | Eosinophilic Focus           |                       |
|                                     |  | Fatty Change                 | Mild                  |
|                                     | [ Hepatocellular Adenoma TGLs = 2-12 ] | Hepatocellular Adenoma       |                       |
| * Lung                              |  | Alveolar/Bronchiolar Adenoma |                       |
| * Nose                              | Respirat Epith                         | Hyperplasia                  | Minimal               |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 23

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-23

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland	Bilateral, Duct	Dilation Infiltration Cellular	Mild Lymphocyte, Minimal
[ Dilation TGLs = 3-16 ]			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Moderate
* Spleen		Hyperplasia	Lymphoid, Mild
Tooth		Dysplasia	Moderate

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-24

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                | * Eye                       |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle        | * Skin                     | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | Testis                      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                     |   |                        |                          |
|---------------------|---|------------------------|--------------------------|
| * Adrenal Cortex    | Subcapsular                                 | Hyperplasia            | Minimal                  |
| * Brain             |   | Mineral                | Mild                     |
| * Harderian Gland   |   | Infiltration Cellular  | Lymphocyte, Minimal      |
| * Heart             | Myocardium                                  | Mineral                | Minimal                  |
| * Kidney            |   | Nephropathy            | Chronicprogr, Mild       |
|                     | [ Nephropathy TGLs = 3-13, 4-13 ]           |                        |                          |
| * Liver             |   | Fibrosis               | Mild                     |
|                     | [ Hepatocellular Adenoma TGLs = 6-19,1-12 ] | Hepatocellular Adenoma | Multiple                 |
| * Parathyroid Gland |   |                        |                          |
|                     | Note: One parathyroid gland examined.       |                        |                          |
| * Preputial Gland   |   | Infiltration Cellular  | Lymphocyte, Minimal      |
| * Prostate          |   | Inflammation           | Chronic Active, Moderate |
|                     | [ Inflammation TGLs = 5-16 ]                |                        |                          |
| * Salivary Glands   |   | Infiltration Cellular  | Lymphocyte, Mild         |
| * Seminal Vesicle   |   | Inflammation           | Chronic Active, Mild     |
| * Urinary Bladder   |   | Infiltration Cellular  | Lymphocyte, Minimal      |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 676

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-24

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-25

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Nerve Trigeminal	* Nose	* Pancreas
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thyroid Gland	* Trachea

**MISSING**

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
	[ Hemangiosarcoma TGLs = 5-20 ]		
	[ Hepatocellular Carcinoma TGLs = 3-12 ]		
	[ Necrosis TGLs = 4-12,5-20 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[ Alveolar/Bronchiolar Adenoma TGLs = 1-10 ]		
* Lymph Node, Mesenteric		Erythrophagocytosis	Moderate
	[ Erythrophagocytosis TGLs = 9-15, 10-15 ]		
Mesentery		Hemangiosarcoma	
	[ Hemangiosarcoma TGLs = 6-13 ]		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-25

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Infiltration Cellular	Lymphocyte, Minimal
* Skin	Infiltration Cellular	Mixed Cell, Minimal
[ Infiltration Cellular TGLs = 11-21 ]		
* Spleen	Extramedullary Hematopoiesis	Mild
* Thymus	Atrophy	Marked
Tooth	Dysplasia	Minimal
* Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 2 = NST; TGLs 7 & 8 = NCL





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 488

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-29

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                    |                   |                          |
|-----------------------------|--------------------|-------------------|--------------------------|
| * Adrenal Cortex            | * Adrenal Medulla  | * Aorta           | * Bone                   |
| * Bone Marrow               | * Brain            | * Epididymis      | * Esophagus              |
| * Eye                       | * Harderian Gland  | * Heart           | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal | * Pancreas        | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Prostate         | * Salivary Glands | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord      | * Spleen          | * Stomach, Glandular     |
| Testis                      | * Thyroid Gland    | * Trachea         |                          |

MISSING

- |                             |               |                          |                 |
|-----------------------------|---------------|--------------------------|-----------------|
| * Brain Trigeminal Ganglion | * Gallbladder | * Intestine Small, Ileum | * Mammary Gland |
|-----------------------------|---------------|--------------------------|-----------------|

AUTO PRECLUDES DIAG.

- |                            |                          |                           |                             |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Stomach, Forestomach   |                           |                             |

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                      |                            |                               |                     |
|----------------------|----------------------------|-------------------------------|---------------------|
| * Islets, Pancreatic |                            | Hyperplasia                   | Mild                |
| * Kidney             | Glomerulus                 | Cyst                          |                     |
|                      |                            | Infarct                       | Mild                |
| * Liver              |                            | Fatty Change                  | Moderate            |
| * Lung               |                            | Alveolar/Bronchiolar Adenoma  |                     |
|                      |                            | Congestion                    | Moderate            |
|                      | [ Congestion TGLs = 4-10 ] |                               |                     |
| * Nose               | Respirat Epith             | Accumulation, Hyaline Droplet | Mild                |
| * Preputial Gland    |                            | Infiltration Cellular         | Lymphocyte, Minimal |
| * Seminal Vesicle    | Bilateral                  | Dilation                      | Moderate            |
|                      | [ Dilation TGLs = 1-16 ]   |                               |                     |
| * Thymus             |                            | Hemorrhage                    | Moderate            |
|                      | [ Hemorrhage TGLs = 5-6 ]  |                               |                     |
| Tooth                |                            | Dysplasia                     | Moderate            |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 488

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-29

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Hemorrhage

Mild

[ Hemorrhage TGLs = 3-13 ]

---

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-30

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
Testis	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Epididymis		Infiltration Cellular	Lymphocyte, Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Mild
* Liver		Fatty Change	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
* Parathyroid GI			
Note: One parathyroid examined.			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Moderate
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-31

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Nerve Trigeminal          | * Nose                     | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Prostate                |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       | Testis                    |
| * Thymus                    | * Thyroid Gland             | * Trachea                  |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                 |  |                        |                       |
|---------------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex                | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain                         |  | Mineral                | Minimal               |
| * Epididymis                    |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland               |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Islets, Pancreatic            |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Kidney                        | Interstitium                           | Infiltration Cellular  | Lymphocyte, Mild      |
|                                 |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver                         |  | Fatty Change           | Mild                  |
|                                 |  | Hepatocellular Adenoma |                       |
|                                 | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                       |
| * Lymph Node, Mesenteric        |  | Infiltration Cellular  | Histiocyte, Mild      |
| * Parathyroid GI                |  |                        |                       |
| Note: One parathyroid examined. |  |                        |                       |
| * Preputial Gland               |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands               |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Urinary Bladder               |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-32

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nose
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- Testis
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Islets, Pancreatic
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Pancreas
- \* Thymus

OBSERVATIONS

- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
  - Infiltration Cellular
  - Nephropathy
  - Clear Cell Focus
  - Fatty Change
  - Hepatocellular Adenoma
- \* Harderian Gland
  - Minimal
  - Lymphocyte, Minimal
  - Chronicprogr, Mild
- \* Kidney
  - Mild
- \* Liver
  - Multiple
- [ Hepatocellular Adenoma TGLs = 1-19, 2-12, 3-12 ]
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Salivary Glands
  - Infiltration Cellular
- \* Seminal Vesicle
  - Lymphocyte, Minimal
- Tooth
  - Dilation
  - Mild
- \* Urinary Bladder
  - Dysplasia
  - Marked
  - Infiltration Cellular
  - Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 350

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-33

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                            |                             |
|---------------------------|-----------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Aorta                    | * Bone                      |
| * Bone Marrow             | * Brain Trigeminal Ganglion | * Epididymis               | * Esophagus                 |
| * Eye                     | * Harderian Gland           | * Heart                    | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular   | * Nerve Trigeminal          |
| * Nose                    | * Pancreas                  | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland         | * Preputial Gland           | * Prostate                 | * Salivary Glands           |
| * Seminal Vesicle         | * Skeletal Muscle           | * Skin                     | * Spinal Cord               |
| Testis                    | * Thyroid Gland             | * Trachea                  | * Urinary Bladder           |

**MISSING**

- \* Mammary Gland

**AUTO PRECLUDES DIAG.**

- |               |                          |                             |                          |
|---------------|--------------------------|-----------------------------|--------------------------|
| * Gallbladder | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Lymph Node, Mesenteric |
| * Spleen      | * Stomach, Forestomach   | * Stomach, Glandular        |                          |

**OBSERVATIONS**

- |                                     |     |              |         |
|-------------------------------------|-----|--------------|---------|
| * Adren Medulla                     |     |              |         |
| Note: One adrenal medulla examined. |     |              |         |
| * Brain                             |     | Mineral      | Minimal |
| * Liver                             |     | Fatty Change | Marked  |
| [ Fatty Change TGLs = 1-12 ]        |     |              |         |
| Mesentery                           | Fat | Necrosis     | Mild    |
| [ Necrosis TGLs = 5-19 ]            |     |              |         |
| * Thymus                            |     | Atrophy      | Marked  |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGLs 2, 3, & 4 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-34

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                             |                             |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone                      | * Bone Marrow               |
| * Esophagus              | * Eye                      | * Gallbladder               | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle           | * Skeletal Muscle           |
| * Skin                   | * Spinal Cord              | * Spleen                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | Testis                     | * Thyroid Gland             | * Trachea                   |

MISSING

- |                             |                 |
|-----------------------------|-----------------|
| * Brain Trigeminal Ganglion | * Mammary Gland |
|-----------------------------|-----------------|

OBSERVATIONS

- |                                       |              |                       |                       |
|---------------------------------------|--------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                  |
| * Brain                               |              | Mineral               | Minimal               |
| * Epididymis                          |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Heart                               | Artery       | Inflammation          | Chronic Active, Mild  |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal   |
|                                       |              | Nephropathy           | Chronicprogr, Minimal |
| * Liver                               |              | Fatty Change          | Minimal               |
| * Parathyroid Gland                   |              |                       |                       |
| Note: One parathyroid gland examined. |              |                       |                       |
| * Preputial Gland                     | Duct         | Dilation              | Moderate              |
|                                       |              | Infiltration Cellular | Lymphocyte, Mild      |
| [ Dilation TGLs = 1-16 ]              |              |                       |                       |
| * Thymus                              |              | Cyst                  |                       |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal   |

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-35

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Infarct	Mild
	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[ Clear Cell Focus TGLs = 2-12 ]		
	[ Hepatoblastoma TGLs = 4-12 ]		
	[ Hepatocellular Adenoma TGLs = 3-12 ]		
	[ Hepatocellular Carcinoma TGLs = 1-12 ]		
* Parathyroid Gland	Note: One parathyroid gland examined.		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-35

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Dilation

Mild

Testis

Germ Cell

Degeneration

Minimal

Tooth

Dysplasia

Marked

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 5 = NCL

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 608

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-36

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                          |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla           | * Aorta                     | * Bone                   |
| * Bone Marrow              | * Epididymis                | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lymph Node, Mesenteric    | * Nerve Trigeminal       |
| * Pancreas                 | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord              | * Spleen                    | * Stomach, Glandular        | Testis                   |
| * Thyroid Gland            | * Trachea                   | * Urinary Bladder           |                          |

MISSING

- |                             |                          |                 |                     |
|-----------------------------|--------------------------|-----------------|---------------------|
| * Brain Trigeminal Ganglion | * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
| * Thymus                    |                          |                 |                     |

OBSERVATIONS

- |                        |  |                          |                     |
|------------------------|--|--------------------------|---------------------|
| * Brain                |  | Mineral                  | Minimal             |
| * Kidney               | Interstitial   | Infiltration Cellular    | Lymphocyte, Minimal |
| * Liver                |  | Hepatocellular Carcinoma |                     |
|                        | [ Hepatocellular Carcinoma TGLs = 1-11, 2-11, 3-11, 4-11 ] | Necrosis                 | Mild                |
| * Lung                 | Bronchiole   | Foreign Body             |                     |
|                        |  | Hepatocellular Carcinoma | Metastatic (Liver)  |
|                        | Bronchiole   | Inflammation             | Suppurative, Mild   |
| * Nose                 |  | Inflammation             | Acute, Mild         |
| * Preputial Gland      |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Stomach, Forestomach | Epithelium   | Hyperplasia              | Focal, Mild         |
| * Thyroid GI           |  |                          |                     |

Note: One thyroid gland examined.

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 5 & 6 = NCL



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 37

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 667

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-37

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 4 = NST; TGL 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-38

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Nerve Trigeminal       | * Nose                     | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Spinal Cord               |
| * Stomach, Forestomach      | Testis                   | * Thymus                   | * Thyroid Gland             |
| * Trachea                   | * Urinary Bladder        |                            |                             |

**MISSING**

- |                          |                 |            |                     |
|--------------------------|-----------------|------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Preputial Gland        |                 |            |                     |

**INSUFFICIENT TISSUE**

- \* Harderian Gland

**OBSERVATIONS**

- |                          |  |                                |                     |
|--------------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex         | Bilateral  | Malignant Fibrous Histiocytoma | Metastatic (Skin)   |
| * Brain                  |  | Mineral                        | Minimal             |
| * Epididymis             |  | Infiltration Cellular          | Lymphocyte, Minimal |
| * Kidney                 |  | Malignant Fibrous Histiocytoma | Metastatic (Skin)   |
|                          |  | Nephropathy                    | Chronicprogr, Mild  |
|                          | [ Malignant Fibrous Histiocytoma TGLs = 5-13 ]       |                                |                     |
|                          | [ Nephropathy TGLs = 5-13 ]                          |                                |                     |
| * Liver                  |  | Hepatocellular Carcinoma       |                     |
|                          |  | Malignant Fibrous Histiocytoma | Metastatic (Skin)   |
|                          | [ Hepatocellular Carcinoma TGLs = 7-12, 7-19 ]       |                                |                     |
|                          | [ Malignant Fibrous Histiocytoma TGLs = 8-12, 7-19 ] |                                |                     |
| * Lymph Node, Mesenteric |  | Malignant Fibrous Histiocytoma | Metastatic (Skin)   |
| Mesentery                |  | Malignant Fibrous Histiocytoma | Metastatic (Skin)   |
|                          | [ Malignant Fibrous Histiocytoma TGLs = 4-6, 4-15 ]  |                                |                     |
| * Seminal Vesicle        | Bilateral  | Dilation                       | Moderate            |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-38

ORGAN AND ACCOUNTABLE SITE STATUS

Malignant Fibrous Histiocytoma

Metastatic (Skin)

[ Dilation TGLs = 3-16 ]

Malignant Fibrous Histiocytoma

Metastatic (Skin)

\* Skeletal Muscle

\* Skin

Subcut Tiss

Malignant Fibrous Histiocytoma

[ Malignant Fibrous Histiocytoma TGLs = 1-20 ]

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Stomach, Glandular

Malignant Fibrous Histiocytoma

Metastatic (Skin)

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Malignant Fibrous Histiocytoma Skin

Animal Note: TGLs 2 & 6 = NCL





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-39

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

\* Pituitary Gland

Note: Pars distalis examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Skeletal Muscle

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-41

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Islets, Pancreatic Hyperplasia Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- Metaplasia Osseous
- Nephropathy Chronicprogr, Mild
- \* Liver Fatty Change Minimal
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 3-12 ]
- \* Lung Alveolar Epith Hyperplasia Focal, Minimal
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland Infiltration Cellular Lymphocyte, Mild
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Seminal Vesicle Bilateral Dilatation Moderate
- [ Dilatation TGLs = 1-16 ]
- \* Stomach, Forestomach Epithelium Hyperplasia Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-41

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-42

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                    |                        |                      |
|-----------------------------|--------------------|------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla  | * Aorta                | * Bone               |
| * Bone Marrow               | * Epididymis       | * Esophagus            | * Eye                |
| * Harderian Gland           | * Heart            | * Islets, Pancreatic   | * Kidney             |
| * Lymph Node, Mandibular    | * Nerve Trigeminal | * Nose                 | * Parathyroid Gland  |
| * Peripheral Nerve, Sciatic | * Pituitary Gland  | * Prostate             | * Salivary Glands    |
| * Seminal Vesicle           | * Spinal Cord      | * Stomach, Forestomach | * Stomach, Glandular |
| Testis                      | * Thyroid Gland    | * Trachea              | * Urinary Bladder    |

**MISSING**

- |                             |               |                             |                          |
|-----------------------------|---------------|-----------------------------|--------------------------|
| * Brain Trigeminal Ganglion | * Gallbladder | * Intestine Small, Duodenum | * Lymph Node, Mesenteric |
| * Mammary Gland             | * Thymus      |                             |                          |

**AUTO PRECLUDES DIAG.**

- |                            |                          |                           |                          |
|----------------------------|--------------------------|---------------------------|--------------------------|
| * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum |                          |                           |                          |

**OBSERVATIONS**

- |   |       |                          |                     |
|---|-------|--------------------------|---------------------|
| * Adren Medulla<br>Note: One adrenal medulla examined.                |       |                          |                     |
| * Brain   |       | Mineral                  | Minimal             |
| * Liver<br>[ Hepatocellular Carcinoma TGLs = 7-12, 8-12, 9-19, 3-23 ] |       | Hepatocellular Carcinoma |                     |
| * Lung  |       | Hepatocellular Carcinoma | Metastatic (Liver)  |
| Lymph Node<br>[ Hemorrhage TGLs = 5-22 ]                              | Renal | Hemorrhage               | Moderate            |
| * Pancreas  |       | Hemorrhage               | Moderate            |
| * Parathyroid GI<br>Note: One parathyroid gland examined.             |       |                          |                     |
| * Preputial Gland   |       | Infiltration Cellular    | Lymphocyte, Minimal |
| * Skeletal Muscle<br>[ Hepatocellular Carcinoma TGLs = 4-19 ]         |       | Hepatocellular Carcinoma | Metastatic (Liver)  |
| * Skin<br>Subcut Tiss   |       | Hemangiosarcoma          |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-42

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hemangiosarcoma TGLs = 6-21 ]

\* Spleen

Extramedullary Hematopoiesis

Moderate

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-43

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis
- \* Urinary Bladder
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Kidney    Interstitium    Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy    Nephropathy    Chronicprogr, Mild
- [ Nephropathy    TGLs = 1-13 ]
- \* Liver    Clear Cell Focus    Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- \* Lung    Alveolar/Bronchiolar Adenoma    Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 4-10 ]
- Mesentery    Fat    Necrosis    Mild
- [ Necrosis    TGLs = 3-19 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland    Infiltration Cellular    Lymphocyte, Mild
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-43

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Dilation

Moderate

\* Spleen

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

Moderate

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-44

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- Testis
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Nerve Trigeminal
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Esophagus
- \* Intestine Large, Rectum
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Intestine Small, Ileum                      Lymphoma Malignant                      [ Lymphoma Malignant    TGLs = 2-15 ]
- \* Islets, Pancreatic                              Hyperplasia                                      Mild
- \* Kidney                                      Nephropathy                                      Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus                                      Fatty Change                                      Mild
- Hepatocellular Adenoma                                      Multiple
- [ Hepatocellular Adenoma    TGLs = 4-12, 5-19 ]
- \* Lung                                      Alveolar/Bronchiolar Carcinoma                      [ Alveolar/Bronchiolar Carcinoma    TGLs = 6-10 ]
- \* Lymph Node, Mesenteric                              Lymphoma Malignant                      [ Lymphoma Malignant    TGLs = 3-15 ]
- \* Pituitary Gland                              Pars Distalis                                      Cyst
- \* Preputial Gland                                      Infiltration Cellular                                      Lymphocyte, Mild
- \* Salivary Glands                                      Infiltration Cellular                                      Lymphocyte, Mild
- \* Seminal Vesicle                                      Bilateral                                      Dilatation                                      Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 44

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-44

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-45

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Salivary Glands           | * Seminal Vesicle        | * Skeletal Muscle          | * Skin                      |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular        |
| Testis                      | * Thymus                 | * Thyroid Gland            | * Trachea                   |
| * Urinary Bladder           |                          |                            |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |  |  |  |  |
|--|--|--|--|
| * Adrenal Cortex                                 | Subcapsular  | Hyperplasia<br>Hypertrophy<br>Inflammation                     | Mild<br>Focal, Mild<br>Chronic, Moderate           |
| Blood Vessel                                     |  |  |  |
| Note: The renal artery has chronic inflammation. |  |  |  |
| * Brain  |  | Mineral  | Minimal  |
| * Epididymis                                     |  | Infiltration Cellular  | Lymphocyte, Minimal                                |
| * Heart  |  | Cardiomyopathy   | Minimal  |
| * Kidney   | Interstitialium  | Infiltration Cellular<br>Nephropathy<br>Hepatocellular Adenoma | Lymphocyte, Mild<br>Chronicprogr, Mild<br>Multiple |
| * Liver  | [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-12, 5-19 ] |  |  |
| Mesentery  | Fat  | Necrosis   | Mild   |
|  | [ Necrosis TGLs = 1-6 ]                                  |  |  |
| * Pituitary Gland                                | Pars Distalis  | Cyst   |  |
| * Preputial Gland                                |  | Infiltration Cellular  | Lymphocyte, Mild                                   |
| * Prostate                                       |  | Infiltration Cellular  | Lymphocyte, Minimal                                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 693

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-46

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Colon
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Aorta
- \* Esophagus
- \* Intestine Large, Rectum
- \* Nose
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Small, Duodenum
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular
- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Heart    Bacteria    Minimal
- Cardiomyopathy                                      Chronic Active, Minimal
- Inflammation                                      Marked
- Thrombus    Lymphocyte, Minimal
- \* Islets, Pancreatic                                      Infiltration Cellular                      Chronicprogr, Minimal
- \* Kidney    Nephropathy                                      Chronic Active, Minimal
- \* Liver    Inflammation                                      Mild
- \* Lung    Hemorrhage    Histiocyte, Mild
- [ Hemorrhage    TGLs = 1-10 ]
- \* Lymph Node, Mesenteric                                      Infiltration Cellular                                      Cyst
- [ Infiltration Cellular    TGLs = 2-15 ]
- \* Pancreas    Duct

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 693

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-46

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid GI	Duct	Fibrosis	Mild
Note: One parathyroid gland examined.			
* Pituitary GI			
Note: Pars distalis examined.			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Mild
[ Dilation TGLs = 3-16 ]			
Tooth		Dysplasia	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-47

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                      | * Thyroid Gland          | * Trachea                   |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |                   |   |                          |                       |
|-------------------|---|--------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                                   | Hyperplasia              | Mild                  |
| * Brain           |   | Mineral                  | Mild                  |
| * Harderian Gland |   | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Kidney          | Interstitium                                  | Infiltration Cellular    | Lymphocyte, Minimal   |
|                   |   | Nephropathy              | Chronicprogr, Minimal |
| * Liver           |   | Hepatocellular Adenoma   |                       |
|                   |   | Hepatocellular Carcinoma | Multiple              |
|                   | [ Hepatocellular Carcinoma TGLs = 2-12,1-19 ] |                          |                       |
| * Lung            |   | Infiltration Cellular    | Histiocyte, Mild      |
| * Parathyroid GI  |   |                          |                       |
|                   | Note: One parathyroid gland examined.         |                          |                       |
| * Preputial Gland |   | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Salivary Glands |   | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Urinary Bladder |   | Infiltration Cellular    | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-49

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Brain                  | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nerve Trigeminal       | * Pancreas                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Prostate                  | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        |
| Testis                   | * Thymus                    | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                             |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                     |                                  |                                |                     |
|-------------------------------------|----------------------------------|--------------------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular                      | Hyperplasia                    | Minimal             |
| * Adren Medulla                     |                                  |                                |                     |
| Note: One adrenal medulla examined. |                                  |                                |                     |
| * Islets, Pancreatic                |                                  | Hyperplasia                    | Mild                |
| * Kidney                            |                                  | Nephropathy                    | Chronicprogr, Mild  |
| * Liver                             |                                  | Clear Cell Focus               |                     |
|                                     |                                  | Fatty Change                   | Mild                |
|                                     | [ Clear Cell Focus TGLs = 1-12 ] |                                |                     |
| * Lung                              |                                  | Alveolar/Bronchiolar Adenoma   |                     |
|                                     |                                  | Alveolar/Bronchiolar Carcinoma | Multiple            |
| * Nose                              | Respirat Epith                   | Hyperplasia                    | Mild                |
| * Preputial Gland                   |                                  | Infiltration Cellular          | Lymphocyte, Mild    |
| * Salivary Glands                   |                                  | Infiltration Cellular          | Lymphocyte, Minimal |
| * Seminal Vesicle                   | Bilateral                        | Dilation                       | Mild                |
| Tooth                               |                                  | Dysplasia                      | Mild                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-50

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Bone
- \* Esophagus
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Salivary Glands
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Aorta
  - \* Bone Marrow
  - \* Brain
  - [ Hemorrhage TGLs = 10-1 ]
  - \* Epididymis
  - \* Gallbladder
  - \* Harderian Gland
  - \* Heart
  - Epicardium
  - Endocardium
  - Epicardium
  - \* Islets, Pancreatic
  - \* Kidney
  - \* Liver
  - [ Lymphoma Malignant TGLs = 7-12 ]
  - \* Lung
  - Lymph Node
  - [ Lymphoma Malignant TGLs = 5-19 ]
- Lymphoma Malignant
  - Lymphoma Malignant
  - Hemorrhage
  - Mineral
  - Lymphoma Malignant
  - Lymphoma Malignant
  - Infiltration Cellular
  - Cardiomyopathy
  - Inflammation
  - Mineral
  - Mineral
  - Hyperplasia
  - Lymphoma Malignant
  - Fatty Change
  - Lymphoma Malignant
  - Lymphoma Malignant
  - Lymphoma Malignant
- Mild
  - Minimal
  - Lymphocyte, Minimal
  - Minimal
  - Chronic, Mild
  - Mild
  - Mild
  - Mild
  - Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-50

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 3-15 ]		
* Nose		Lymphoma Malignant	
* Parathyroid GI			
	Note: One parathyroid examined		
* Pituitary GI			
	Note: Pars distalix examined		
* Prostate		Lymphoma Malignant	
* Seminal Vesicle	Bilateral	Dilation	Minimal
	[ Dilation TGLs = 8-16 ]		
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 1-12 ]		
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 9-6 ]		
Tooth		Dysplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant  
 CONTRIBUTORY CAUSE OF DEATH - Bone Marrow Lymphoma Malignant  
 - Lung Lymphoma Malignant  
 - Lymph Node, Mandibular Lymphoma Malignant  
 - Spleen Lymphoma Malignant

Animal Note: TGLs 2 & 6 = NST



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 622

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-51

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Nose
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Bone Marrow                                                                Hypercellularity                      Mild
- \* Brain                                                                Mineral                      Mild
- \* Epididymis                                                                Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                                                                Infiltration Cellular                      Lymphocyte, Minimal
- \* Intestine Small, Duodenum                                                                Adenocarcinoma
- [ Adenocarcinoma    TGLs = 6-14 ]
- \* Kidney                                                                Infarct                      Moderate
- Interstitium                      Infiltration Cellular                      Lymphocyte, Mild
- Inflammation                      Suppurative, Moderate
- Urothelium                      Inflammation                      Chronic Active, Minimal
- [ Inflammation    TGLs = 3-13 ]
- \* Liver                                                                Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 5-12 ]
- \* Peripheral Nerve, Sciatic                      Axon                      Degeneration                      Mild
- \* Salivary Glands                                                                Infiltration Cellular                      Lymphocyte, Mild
- \* Skeletal Muscle                                                                Sarcoma
- [ Sarcoma    TGLs = 8-19 ]
- \* Thymus                                                                Atrophy                      Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 51

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 622

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-51

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Cyst

---

**PRIMARY CAUSE OF DEATH** - Intestine Small, Duodenum Adenocarcinoma

**CONTRIBUTORY CAUSE OF DEATH** - Skeletal Muscle Sarcoma

---

Animal Note: TGLs 1, 2, & 7 = NCL

Animal Note: TGLs=4-NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-52

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Adenoma
- \* Kidney                                      Infarct                                      Mild
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus
- Fatty Change                                      Mild
- Hepatocellular Adenoma                      Multiple
- [ Clear Cell Focus    TGLs = 3-12, 5-12, 6-12 ]
- [ Hepatocellular Adenoma    TGLs = 2-12, 4-12, 7-19 ]
- \* Lung                                      Alveolar/Bronchiolar Adenoma
- \* Lymph Node, Mesenteric                      Hemorrhage                                      Minimal
- Mesentery                                      Fat                                      Necrosis                                      Mild
- [ Necrosis    TGLs = 1-6 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland                                      Infiltration Cellular                                      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 52

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-52

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-53

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis

MISSING

- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Eye                                      Cornea                                      Fibrosis                                      Moderate
- [ Fibrosis    TGLs = 3-5 ]
- \* Harderian Gland                      Adenocarcinoma
- [ Adenocarcinoma    TGLs = 4-5 ]
- \* Kidney                                      Nephropathy                                      Chronicprogr, Minimal
- \* Liver                                      Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 5-12, 6-12, 7-12, 9-12 ]
- \* Nose                                      Vomeronas Org                                      Fibrosis                                      Mild
- Respirat Epith                                      Hyperplasia                                      Mild
- \* Parathyroid Gl
- Note: One parathyroid gland examined.
- \* Preputial Gland                      Infiltration Cellular                      Lymphocyte, Mild
- [ Infiltration Cellular    TGLs = 1-16 ]
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Mild

PRIMARY CAUSE OF DEATH                      - Liver    Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 53

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 690

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-53

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 2 & 8 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-54

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Aorta
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- Coagulating Gland Cyst
- [ Cyst TGLs = 2-16 ]
- \* Epididymis Infiltration Cellular Lymphocyte, Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Heart Cardiomyopathy Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- Nephropathy Chronicprogr, Minimal
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 3-12, 7-12 ]
- \* Lung Alveolar/Bronchiolar Carcinoma Multiple
- Infiltration Cellular Histiocyte, Mild
- [ Alveolar/Bronchiolar Carcinoma TGLs = 4-19,5-10 ]
- \* Lymph Node, Mesenteric Hemorrhage Mild
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland Duct Dilation Mild
- [ Dilation TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 54

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-54

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Thymus

Atrophy

Moderate

\* Thyroid GI

Note: One thyroid gland examined.

Tooth

Dysplasia

Marked

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 6 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-55

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- Testis
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Gallbladder
- \* Mammary Gland
- \* Pituitary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Epididymis
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 1-12, 3-19, 4-12 ]
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung
- \* Lymph Node, Mesenteric
- [ Hyperplasia TGLs = 5-15 ]
- \* Preputial Gland
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spinal Cord
- Subcapsular
- Artery, Meninges
- Interstitialium
- Bilateral
- Artery, Meninges
- Hyperplasia
- Inflammation
- Mineral
- Infiltration Cellular
- Infiltration Cellular
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Infiltration Cellular
- Hemorrhage
- Hemorrhage
- Hyperplasia
- Infiltration Cellular
- Infiltration Cellular
- Dilation
- Inflammation
- Mild
- Chronic Active, Mild
- Minimal
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Chronicprogr, Minimal
- Multiple
- Lymphocyte, Minimal
- Mild
- Mild
- Lymphoid, Mild
- Lymphocyte, Mild
- Lymphocyte, Minimal
- Mild
- Chronic Active, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 55

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-55

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-56

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis
- \* Urinary Bladder
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Adren Medulla
- Note: One adrenal medulla examined.
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                        Infiltration Cellular                      Lymphocyte, Minimal
- \* Intestine Small, Jejunum              Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 4-14 ]
- \* Kidney                                    Lymphoma Malignant
- Nephropathy                              Chronicprogr, Moderate
- \* Liver                                      Hepatocellular Adenoma
- Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma    TGLs = 2-12,5-19, 6-20 ]
- \* Lung                                      Alveolar Epith                      Hyperplasia                      Focal, Mild
- \* Lymph Node, Mesenteric              Infiltration Cellular                      Histiocyte, Moderate
- Mesentery                              Fat                                      Necrosis                              Moderate
- [ Necrosis    TGLs = 3-6 ]
- \* Preputial Gland                        Infiltration Cellular                      Lymphocyte, Mild
- Note: One preputial gland examined
- \* Salivary Glands                        Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 56

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-56

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Skeletal Muscle

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Mild

[ Extramedullary Hematopoiesis TGLs = 1-12 ]

Hyperplasia

Lymphoid, Mild

[ Hyperplasia TGLs = 1-12 ]

\* Thymus

Note: Thymus is on slide 11.

\* Thyroid GI

Note: One thyroid gland examined.

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-57

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                 | * Seminal Vesicle         | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord              | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                                 |  |                                |                       |
|---------------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex                | Subcapsular                                    | Hyperplasia                    | Mild                  |
| * Brain                         |  | Mineral                        | Mild                  |
| * Epididymis                    |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Harderian Gland               |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Heart                         |  | Cardiomyopathy                 | Minimal               |
| * Kidney                        | Interstitium                                   | Infiltration Cellular          | Lymphocyte, Minimal   |
|                                 |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                         |  | Extramedullary Hematopoiesis   | Minimal               |
| * Lung                          |  | Alveolar/Bronchiolar Carcinoma |                       |
|                                 | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-10 ] |                                |                       |
| * Lymph Node, Mesenteric        |  | Infiltration Cellular          | Histiocyte, Moderate  |
| * Parathyroid GI                |  |                                |                       |
| Note: One parathyroid examined. |  |                                |                       |
| * Preputial Gland               | Duct   | Dilation                       | Moderate              |
|                                 | [ Dilation TGLs = 1-16 ]                       |                                |                       |
| * Salivary Glands               |  | Infiltration Cellular          | Lymphocyte, Mild      |
| Testis                          | Interstit Cell                                 | Adenoma                        |                       |
|                                 | [ Adenoma TGLs = 2-16A ]                       |                                |                       |
| * Thymus                        |  | Atrophy                        | Marked                |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 57

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-57

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 3 = NCL.

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-58

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Minimal
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Intestine Small, Jejunum Lymphoma Malignant TGLs = 3-14 ] Lymphoma Malignant
- \* Kidney Nephropathy Chronicprogr, Mild
- \* Liver Hepatoblastoma Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 5-12, 6-12, 7-12 ]
- Lymph Node Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 4-19 ]
- \* Lymph Node, Mesenteric Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 2-15 ]
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Preputial Gland Infiltration Cellular Lymphocyte, Minimal
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Seminal Vesicle Bilateral Dilation Mild
- \* Spleen Extramedullary Hematopoiesis Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 58

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-58

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

Marked

---

Animal Note: TGL 1 = NCL

---







**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 60

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-60

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 6 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-62

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Esophagus              | * Eye                       | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nerve Trigeminal        | * Nose                      |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate                  |
| * Skeletal Muscle        | * Skin                      | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular        | Testis                    | * Thymus                    |
| * Thyroid Gland          | * Trachea                   | * Urinary Bladder         |                             |

MISSING

- |                             |                 |
|-----------------------------|-----------------|
| * Brain Trigeminal Ganglion | * Mammary Gland |
|-----------------------------|-----------------|

OBSERVATIONS

- |                   |              |  |                       |
|-------------------|--------------|--|-----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                            | Minimal               |
| * Brain           |              | Mineral                                | Minimal               |
| * Epididymis      |              | Infiltration Cellular                  | Lymphocyte, Mild      |
| * Harderian Gland |              | Infiltration Cellular                  | Lymphocyte, Minimal   |
| * Kidney          | Interstitial | Infiltration Cellular                  | Lymphocyte, Mild      |
|                   |              | Nephropathy                            | Chronicprogr, Minimal |
| * Liver           |              | Clear Cell Focus                       |                       |
|                   |              | Fatty Change                           | Mild                  |
|                   |              | Hepatocellular Adenoma                 |                       |
|                   |              | [ Clear Cell Focus TGLs = 2-12, 4-12 ] |                       |
|                   |              | [ Hepatocellular Adenoma TGLs = 3-12 ] |                       |
| * Pancreas        |              | Infiltration Cellular                  | Lymphocyte, Minimal   |
| * Preputial Gland |              | Infiltration Cellular                  | Lymphocyte, Mild      |
| * Salivary Glands |              | Infiltration Cellular                  | Lymphocyte, Mild      |
| * Seminal Vesicle | Bilateral    | Dilation                               | Moderate              |
| Tooth             |              | Dysplasia                              | Mild                  |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 64

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-64

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                             |                             |                             |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex           | * Adrenal Medulla           | * Aorta                     | * Bone                      |
| * Bone Marrow              | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lymph Node, Mesenteric    | * Nerve Trigeminal          |
| * Nose                     | * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland          | * Prostate                  | * Salivary Glands           | * Seminal Vesicle           |
| * Skeletal Muscle          | * Skin                      | * Spinal Cord               | * Spleen                    |
| * Stomach, Forestomach     | * Stomach, Glandular        | Testis                      | * Thyroid Gland             |
| * Trachea                  | * Urinary Bladder           |                             |                             |

**MISSING**

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

**OBSERVATIONS**

- |  |                                |                       |
|--|--------------------------------|-----------------------|
| * Brain  | Mineral                        | Mild                  |
| * Harderian Gland                              | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Kidney                                       | Nephropathy                    | Chronicprogr, Minimal |
| * Liver  | Hepatocellular Adenoma         |                       |
| [ Hepatocellular Adenoma TGLs = 1-12 ]         |                                |                       |
| * Lung   | Alveolar/Bronchiolar Carcinoma |                       |
| [ Alveolar/Bronchiolar Carcinoma TGLs = 3-19 ] | Infiltration Cellular          | Histiocyte, Moderate  |
| * Parathyroid GI                               |                                |                       |
| Note: One parathyroid examined.                |                                |                       |
| * Preputial Gland                              | Infiltration Cellular          | Lymphocyte, Mild      |
| * Thymus                                       | Cyst                           |                       |

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-65

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                      | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder           |                             |                             |                          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                 |  |                        |                     |
|---------------------------------|--|------------------------|---------------------|
| * Adrenal Cortex                | Subcapsular  | Hyperplasia            | Mild                |
|                                 |  | Hyperplasia            | Focal, Mild         |
| * Brain                         |  | Mineral                | Mild                |
| * Kidney                        |  | Nephropathy            | Chronicprogr, Mild  |
| * Liver                         |  | Clear Cell Focus       |                     |
|                                 |  | Fatty Change           | Mild                |
|                                 |  | Hepatocellular Adenoma | Multiple            |
|                                 | [ Hepatocellular Adenoma TGLs = 1-12, 2-12, 3-12, 4-12, 5-12 ] |                        |                     |
| * Parathyroid GI                |  |                        |                     |
| Note: One parathyroid examined. |  |                        |                     |
| * Salivary Glands               |  | Infiltration Cellular  | Lymphocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-66

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Nerve Trigeminal          | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                  |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                                |                       |
|--------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                                    | Hyperplasia                    | Minimal               |
| * Brain                  |  | Mineral                        | Minimal               |
| * Harderian Gland        |  | Hyperplasia                    | Focal, Mild           |
| * Kidney                 | Renal Tubule                                   | Cyst                           |                       |
|                          |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Carcinoma       |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 2-12 ]       |                                |                       |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                       |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-19 ] |                                |                       |
| * Lymph Node, Mesenteric |  | Infiltration Cellular          | Histiocyte, Mild      |
| * Preputial Gland        |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Salivary Glands        |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| Tooth                    |  | Dysplasia                      | Minimal               |
| * Urinary Bladder        |  | Infiltration Cellular          | Lymphocyte, Minimal   |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 658

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-67

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Seminal Vesicle	Bilateral	Dilation	Moderate
	[ Dilation TGLs = 1-16, 2-16 ]	Fibroma	
* Thymus		Atrophy	Marked
Tooth		Dysplasia	Moderate
* Urinary Bladder		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 3 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 69

TRT#: 1

SEX: Male

DAY ON TEST: 8

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-69

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Bone
- \* Harderian Gland
- \* Heart
- \* Islets, Pancreatic
- \* Eye
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Kidney
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Spinal Cord
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Esophagus
- \* Gallbladder
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus
- \* Thyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Spleen

OBSERVATIONS

- \* Brain
  - \* Pituitary Gland
- Infiltration Cellular
- Lymphocyte, Mild

Note: Only the pars distalis was available for evaluation.

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 70

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-70

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Brain
    - Coagulating Gland
      - [ Cyst TGLs = 1-16 ]
  - \* Harderian Gland
  - \* Kidney
    - Pelvis
      - [ Dilation TGLs = 2-13 ]
      - [ Nephropathy TGLs = 3-13 ]
  - \* Liver
    - [ Hepatoblastoma TGLs = 4-12 ]
  - \* Seminal Vesicle
    - [ Dilation TGLs = 1-16 ]
- Mineral  
Cyst
- Infiltration Cellular  
Dilation  
Nephropathy
- Eosinophilic Focus  
Hepatoblastoma
- Dilation
- Mild  
Lymphocyte, Minimal  
Moderate  
Chronicprogr, Moderate  
Moderate

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 72

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-72

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined.
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
  - Mild
- \* Harderian Gland
  - Infiltration Cellular
  - Lymphocyte, Mild
- \* Kidney
  - Interstitial
  - Infiltration Cellular
  - Lymphocyte, Moderate
  - Nephropathy
  - Chronicprogr, Moderate
- [ Nephropathy TGLs = 3-13 ]
- \* Liver
  - Hepatocellular Carcinoma
  - Inflammation
  - Focal, Minimal
- [ Hepatocellular Carcinoma TGLs = 4-12 ]
- \* Lung
  - Hemorrhage
  - Mild
- \* Parathyroid GI
  - Note: One parathyroid examined.
- \* Preputial Gland
  - Bilateral, Duct
  - Dilation
  - Mild
- [ Dilation TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 72

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-72

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Mild

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

\* Thymus

Cyst

Note: Thymus is on section 7.

---





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 73

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-73

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

Tooth

Dysplasia

Moderate

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 74

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-74

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Renal Tubule Interstitialium	Cyst Infiltration Cellular Nephropathy Fatty Change	Lymphocyte, Minimal Chronicprogr, Minimal Mild
* Liver [ Fatty Change   TGLs = 2-12 ]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Parathyroid GI Note: One parathyroid gland examined.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Testis [ Adenoma    TGLs = 1-16A ]	Interstit Cell	Adenoma	
* Thymus		Cyst	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 75

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-75

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Salivary Glands
- \* Spinal Cord
- Testis
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex [ Angiectasis TGLs = 1-7 ]
- \* Brain
- \* Islets, Pancreatic
- \* Kidney Interstitium
- \* Liver [ Clear Cell Focus TGLs = 3-19 ] [ Hepatocellular Adenoma TGLs = 2-12 ]
- \* Lung Alveolar Epith
- \* Lymph Node, Mesenteric [ Infiltration Cellular TGLs = 4-15 ]
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Peripheral Nerve, Sciatic Axon
- \* Preputial Gland
- \* Thymus
- Angiectasis Moderate
- Mineral Mild
- Hyperplasia Minimal
- Infiltration Cellular Lymphocyte, Minimal
- Nephropathy Chronicprogr, Minimal
- Clear Cell Focus
- Hepatocellular Adenoma
- Hyperplasia Focal, Mild
- Infiltration Cellular Histiocyte, Mild
- Degeneration Minimal
- Infiltration Cellular Lymphocyte, Mild
- Cyst

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 75

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-75

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid GI

Note: One thyroid gland examined.

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 76

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-76

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex            | * Adrenal Medulla           | * Aorta                     | * Bone                   |
| * Bone Marrow               | * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular |
| * Nerve Trigeminal          | * Nose                      | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder           |                          |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                                    |                       |                       |
|------------------------------------|-----------------------|-----------------------|
| * Brain                            | Mineral               | Mild                  |
| * Epididymis                       | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                           | Nephropathy           | Chronicprogr, Minimal |
| * Liver                            | Fatty Change          | Mild                  |
| * Lymph Node, Mesenteric           | Lymphoma Malignant    |                       |
| [ Lymphoma Malignant TGLs = 1-15 ] |                       |                       |
| * Preputial Gland                  | Infiltration Cellular | Lymphocyte, Minimal   |
| * Thymus                           | Cyst                  |                       |

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 77

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-77

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Prostate
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 2-12, 3-12, 4-12 ]
- [ Hepatocellular Carcinoma TGLs = 5-19 ]
- \* Preputial Gland
- \* Salivary Glands
- Subcapsular
- Hyperplasia
- Mineral
- Inflammation
- Nephropathy
- Clear Cell Focus
- Fatty Change
- Hepatocellular Carcinoma
- Infiltration Cellular
- Infiltration Cellular
- Mild
- Mild
- Granulomatous, Mild
- Chronicprogr, Mild
- Mild
- Lymphocyte, Moderate
- Lymphocyte, Minimal

Animal Note: TGLs 1, 6, & 7 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 78

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-78

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Nerve Trigeminal	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Fatty Change	Minimal
		Infiltration Cellular	Lymphocyte, Mild
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
* Parathyroid GI			
Note: One parathyroid examined.			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
		Inflammation	Suppurative, Moderate
[ Inflammation TGLs = 1-16 ]			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 78

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-78

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 79

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-79

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                  |
| * Urinary Bladder           |                             |                             |                            |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                 |                                       |                        |                       |
|---------------------------------|---------------------------------------|------------------------|-----------------------|
| * Adrenal Cortex                | Subcapsular                           | Hyperplasia            | Mild                  |
| * Brain                         |                                       | Mineral                | Minimal               |
| * Harderian Gland               |                                       | Adenoma                |                       |
| * Kidney                        | Interstitium                          | Infiltration Cellular  | Lymphocyte, Minimal   |
|                                 |                                       | Nephropathy            | Chronicprogr, Minimal |
| * Liver                         |                                       | Clear Cell Focus       |                       |
|                                 |                                       | Fatty Change           | Mild                  |
|                                 |                                       | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma        | TGLs = 2-12, 3-19, 4-12, 5-12, 6-12 ] |                        |                       |
| * Lung                          | Alveolar Epith                        | Hyperplasia            | Focal, Mild           |
| * Parathyroid GI                |                                       |                        |                       |
| Note: One parathyroid examined. |                                       |                        |                       |
| * Preputial Gland               | Duct                                  | Dilation               | Moderate              |
|                                 |                                       | Infiltration Cellular  | Lymphocyte, Minimal   |
| [ Dilation TGLs = 1-16 ]        |                                       |                        |                       |
| * Salivary Glands               |                                       | Infiltration Cellular  | Lymphocyte, Mild      |
| Tooth                           |                                       | Dysplasia              | Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 79

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-79

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Inflammation

Suppurative, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 80

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-80

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Preputial Gland
- \* Skeletal Muscle
- Testis
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Bone Marrow Hypercellularity Mild
- \* Brain Mineral Mild
- \* Harderian Gland Hyperplasia Focal, Mild
- \* Heart Cardiomyopathy Minimal
- \* Kidney Nephropathy Chronicprogr, Minimal
- \* Liver Hepatocellular Adenoma TGLs = 2-12, 3-12 ] Hepatocellular Adenoma TGLs = 2-12, 3-12 ] Multiple
- \* Lymph Node, Mesenteric Hyperplasia Lymphoid, Moderate
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Peripheral Nerve, Sciatic Axon Degeneration Minimal
- \* Preputial GI Note: One preputial gland examined.
- \* Skin [ Ulcer TGLs = 1-19 ] Ulcer Moderate
- \* Spleen Extramedullary Hematopoiesis Mild
- \* Thymus Atrophy Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 80

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-80

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Cyst

\* Thyroid GI

Note: One thyroid gland examined.

Tooth

Dysplasia

Marked

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 81

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-81

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Lung
- \* Nose
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder

- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus

- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Bone Marrow
- \* Gallbladder
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion

- \* Mammary Gland

- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum

- \* Intestine Small, Duodenum

- \* Intestine Small, Ileum

- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver

Subcapsular

Interstitial

Hyperplasia  
 Mineral  
 Infiltration Cellular  
 Infiltration Cellular  
 Nephropathy  
 Hemorrhage  
 Hepatocellular Carcinoma

Mild  
 Minimal  
 Lymphocyte, Mild  
 Lymphocyte, Mild  
 Chronicprogr, Minimal  
 Moderate  
 Multiple

[ Hepatocellular Carcinoma TGLs = 3-19, 4-12 ]

- \* Salivary Glands
- \* Seminal Vesicle

Infiltration Cellular  
 Dilation

Lymphocyte, Mild  
 Mild

[ Dilation TGLs = 1-16 ]

- \* Thyroid Gland

Note: One thyroid gland examined.

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 82

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-82

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
Testis	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Brain Trigeminal Ganglion	* Mammary Gland	* Nerve Trigeminal
-----------------------------	-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLs = 2-19 ]			
[ Hepatocellular Carcinoma TGLs = 3-12 ]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial GI			
Note: One preputial gland examined.			
* Spleen		Extramedullary Hematopoiesis	Mild
[ Extramedullary Hematopoiesis TGLs = 1-12 ]			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 83

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-83

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Nerve Trigeminal          | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle           | * Skeletal Muscle         | * Skin                      | * Spinal Cord            |
| * Stomach, Forestomach      | * Stomach, Glandular      | Testis                      | * Thyroid Gland          |
| * Trachea                   | * Urinary Bladder         |                             |                          |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |                                       |  |                              |                    |
|---------------------------------------|--|------------------------------|--------------------|
| * Adrenal Cortex                      | Subcapsular                              | Hyperplasia                  | Minimal            |
| * Brain                               |  | Mineral                      | Mild               |
| * Kidney                              |  | Nephropathy                  | Chronicprogr, Mild |
| * Liver                               |  | Hepatocellular Adenoma       |                    |
|                                       |  | Hepatocellular Carcinoma     |                    |
|                                       | [ Hepatocellular Adenoma TGLs = 3-12 ]   |                              |                    |
|                                       | [ Hepatocellular Carcinoma TGLs = 4-12 ] |                              |                    |
| * Lung                                |  | Hepatocellular Carcinoma     | Metastatic (Liver) |
|                                       | [ Hepatocellular Carcinoma TGLs = 5-10 ] |                              |                    |
| * Parathyroid GI                      |  |                              |                    |
| Note: One parathyroid gland examined. |  |                              |                    |
| * Preputial Gland                     | Duct                                     | Dilation                     | Moderate           |
|                                       | Duct                                     | Necrosis                     | Mild               |
|                                       | [ Dilation TGLs = 1-16 ]                 |                              |                    |
| * Spleen                              |  | Extramedullary Hematopoiesis | Mild               |

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 84

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-84

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                          |                           |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                   | * Bone Marrow             |
| * Esophagus                 | * Eye                      | * Gallbladder            | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Nose                   | * Pancreas                |
| * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Preputial Gland        | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord              | * Spleen                 | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                     | * Thyroid Gland          | * Trachea                 |
| * Urinary Bladder           |                            |                          |                           |

MISSING

- |                             |                 |                    |                     |
|-----------------------------|-----------------|--------------------|---------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland |
|-----------------------------|-----------------|--------------------|---------------------|

OBSERVATIONS

- |  |              |                          |                       |
|--|--------------|--------------------------|-----------------------|
| * Adrenal Cortex                         | Subcapsular  | Hyperplasia              | Minimal               |
| * Brain                                  |              | Mineral                  | Minimal               |
| * Epididymis                             |              | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Intestine Small, Ileum                 | Peyers Patch | Infiltration Cellular    | Plasma Cell, Mild     |
| [ Infiltration Cellular TGLs = 1-15 ]    |              |                          |                       |
| * Kidney                                 | Interstitial | Infiltration Cellular    | Lymphocyte, Minimal   |
|  |              | Nephropathy              | Chronicprogr, Minimal |
| * Liver                                  |              | Eosinophilic Focus       |                       |
|  |              | Hepatocellular Adenoma   |                       |
|  |              | Hepatocellular Carcinoma |                       |
|  |              | Necrosis                 | Minimal               |
| [ Hepatocellular Carcinoma TGLs = 2-12 ] |              |                          |                       |
| * Pituitary Gl                           |              |                          |                       |
| Note: Pars distalis examined.            |              |                          |                       |
| * Prostate                               |              | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Salivary Glands                        |              | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Seminal Vesicle                        | Bilateral    | Dilation                 | Mild                  |
| * Thymus                                 |              | Cyst                     |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 85

TRT#: 1

SEX: Male

DAY ON TEST: 622

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-85

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Aorta	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Small, Duodenum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea		

**MISSING**

* Brain Trigeminal Ganglion	* Mammary Gland
-----------------------------	-----------------

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen	* Urinary Bladder

**OBSERVATIONS**

* Heart	Myocardium	Mineral	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	Mild
* Liver		Necrosis	Moderate
[ Necrosis TGLs = 5-12 ]			
* Parathyroid Gland			
Note: One parathyroid examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Bilateral	Dilation	Moderate
[ Dilation TGLs = 4-16 ]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Necrosis

Animal Note: TGLs 1, 2, 3, & 6 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 86

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-86

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                      |
|--------------------------|-----------------------------|---------------------------|----------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                    | * Bone Marrow        |
| * Epididymis             | * Esophagus                 | * Eye                     | * Gallbladder        |
| * Harderian Gland        | * Intestine Large, Colon    | * Intestine Large, Rectum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose                    | * Pancreas           |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate           |
| * Salivary Glands        | * Skeletal Muscle           | * Skin                    | * Spinal Cord        |
| * Stomach, Forestomach   | * Stomach, Glandular        | Testis                    | * Thyroid Gland      |
| * Trachea                |                             |                           |                      |

MISSING

- |                             |                 |          |
|-----------------------------|-----------------|----------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Thymus |
|-----------------------------|-----------------|----------|

AUTO PRECLUDES DIAG.

- |                          |                             |                          |                            |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Urinary Bladder        |                             |                          |                            |

OBSERVATIONS

- |                          |  |                              |                     |
|--------------------------|--|------------------------------|---------------------|
| * Adrenal Cortex         | Subcapsular                                    | Hyperplasia                  | Mild                |
| * Brain                  |  | Mineral                      | Minimal             |
| * Heart                  |  | Cardiomyopathy               | Mild                |
| * Kidney                 | Renal Tubule                                   | Cyst                         |                     |
|                          | Interstitium                                   | Infarct                      | Mild                |
| * Liver                  |  | Infiltration Cellular        | Lymphocyte, Minimal |
|                          | [ Hepatocellular Carcinoma TGLs = 6-12, 8-12 ] | Hepatocellular Carcinoma     |                     |
| * Lung                   |  | Alveolar/Bronchiolar Adenoma |                     |
|                          |  | Hepatocellular Carcinoma     | Metastatic (Liver)  |
| * Lymph Node, Mesenteric |  | Hemorrhage                   | Moderate            |
|                          | [ Hemorrhage TGLs = 9-15 ]                     |                              |                     |
| * Preputial Gland        | Bilateral, Duct                                | Dilation                     | Mild                |
|                          | [ Dilation TGLs = 4-16 ]                       |                              |                     |
| * Seminal Vesicle        | Bilateral                                      | Dilation                     | Mild                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 86

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-86

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 5-16 ]

\* Spleen

Extramedullary Hematopoiesis

Moderate

[ Extramedullary Hematopoiesis TGLs = 3-12 ]

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

Animal Note: TGLS 1 & 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 88

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-88

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla           | * Aorta                   | * Bone                      |
| * Bone Marrow            | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        |
| Testis                   | * Thymus                    | * Thyroid Gland           | * Trachea                   |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |                 |                        |                       |
|---------------------------------------|-----------------|------------------------|-----------------------|
| * Adren Cortex                        |                 |                        |                       |
| Note: One adrenal cortex examined.    |                 |                        |                       |
| * Adren Medulla                       |                 |                        |                       |
| Note: One adrenal medulla examined.   |                 |                        |                       |
| * Brain                               |                 | Mineral                | Minimal               |
| * Kidney                              | Interstitialium | Infiltration Cellular  | Lymphocyte, Mild      |
|                                       |                 | Nephropathy            | Chronicprogr, Minimal |
| * Liver                               |                 | Hepatocellular Adenoma |                       |
|                                       |                 | Mixed Cell Focus       |                       |
| * Parathyroid GI                      |                 |                        |                       |
| Note: One parathyroid gland examined. |                 |                        |                       |
| * Salivary Glands                     |                 | Infiltration Cellular  | Lymphocyte, Mild      |
| * Urinary Bladder                     |                 | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 89

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-89

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                            |                             |                           |                             |
|----------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Brain                    | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                      | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum   | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lymph Node, Mandibular  | * Nose                      |
| * Pancreas                 | * Peripheral Nerve, Sciatic | * Prostate                | * Salivary Glands           |
| * Skeletal Muscle          | * Skin                      | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach     | * Stomach, Glandular        | Testis                    | * Thymus                    |
| * Thyroid Gland            | * Trachea                   | * Urinary Bladder         |                             |

**MISSING**

- |                 |                    |                     |
|-----------------|--------------------|---------------------|
| * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland |
|-----------------|--------------------|---------------------|

**OBSERVATIONS**

- |  |                |                        |                    |
|--|----------------|------------------------|--------------------|
| * Adrenal Cortex                       | Subcapsular    | Hyperplasia            | Mild               |
| * Intestine Small, Ileum               | Peyers Patch   | Hyperplasia            | Lymphoid, Moderate |
| [ Hyperplasia TGLs = 1-15 ]            |                |                        |                    |
| * Kidney                               |                | Nephropathy            | Chronicprogr, Mild |
| * Liver                                |                | Clear Cell Focus       |                    |
|  |                | Fatty Change           | Mild               |
|  |                | Hepatocellular Adenoma |                    |
| [ Hepatocellular Adenoma TGLs = 2-12 ] |                |                        |                    |
| * Lung                                 | Alveolar Epith | Hyperplasia            | Focal, Moderate    |
| * Lymph Node, Mesenteric               |                | Hyperplasia            | Lymphoid, Moderate |
| * Pituitary Gland                      | Pars Distalis  | Angiectasis            | Mild               |
| * Preputial Gland                      |                | Infiltration Cellular  | Lymphocyte, Mild   |
| * Seminal Vesicle                      | Bilateral      | Dilation               | Moderate           |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 90

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-90

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Epididymis             | * Esophagus                 | * Eye                     | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands           | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        |
| Testis                   | * Thyroid Gland             | * Trachea                 | * Urinary Bladder           |

MISSING

- |                             |               |                 |                    |
|-----------------------------|---------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
| * Thymus                    |               |                 |                    |

OBSERVATIONS

- |                                       |             |                       |                       |
|---------------------------------------|-------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Minimal               |
| * Brain                               |             | Mineral               | Mild                  |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Mild      |
| * Kidney                              |             | Nephropathy           | Chronicprogr, Minimal |
| * Liver                               |             | Clear Cell Focus      |                       |
|                                       |             | Fatty Change          | Minimal               |
| [ Clear Cell Focus TGLs = 2-12 ]      |             |                       |                       |
| * Parathyroid Gland                   |             |                       |                       |
| Note: One parathyroid gland examined. |             |                       |                       |
| * Seminal Vesicle                     | Bilateral   | Dilation              | Moderate              |
| [ Dilation TGLs = 1-16 ]              |             |                       |                       |
| Tooth                                 |             | Dysplasia             | Marked                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 91

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-91

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Hyperplasia
    - Hyperplasia
    - Mineral
    - Infiltration Cellular
    - Infiltration Cellular
    - Nephropathy
    - Fatty Change
    - Hepatocellular Adenoma
  - Interstitium
    - Focal, Moderate
    - Mild
    - Mild
    - Lymphocyte, Mild
    - Lymphocyte, Minimal
    - Chronicprogr, Mild
    - Minimal
    - Multiple
- [ Hepatocellular Adenoma TGLs = 2-12, 3-12 ]
- Mesentery
  - Fat
    - Necrosis
  - [ Necrosis TGLs = 1-6 ]
- \* Salivary Glands
  - Infiltration Cellular
- \* Urinary Bladder
  - Infiltration Cellular

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 92

TRT#: 1

SEX: Male

DAY ON TEST: 393

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-92

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                        |                          |                             |                    |
|------------------------|--------------------------|-----------------------------|--------------------|
| * Adrenal Cortex       | * Adrenal Medulla        | * Aorta                     | * Bone             |
| * Bone Marrow          | * Brain                  | * Brain Trigeminal Ganglion | * Epididymis       |
| * Esophagus            | * Eye                    | * Harderian Gland           | * Kidney           |
| * Lung                 | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nerve Trigeminal |
| * Nose                 | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland  |
| * Preputial Gland      | * Prostate               | * Salivary Glands           | * Seminal Vesicle  |
| * Skeletal Muscle      | * Skin                   | * Spinal Cord               | * Spleen           |
| * Stomach, Forestomach | Testis                   | * Thymus                    | * Thyroid Gland    |
| * Trachea              |                          |                             |                    |

MISSING

- |               |                 |                      |
|---------------|-----------------|----------------------|
| * Gallbladder | * Mammary Gland | * Stomach, Glandular |
|---------------|-----------------|----------------------|

AUTO PRECLUDES DIAG.

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Pancreas                  |

OBSERVATIONS

- |                   |  |                        |             |
|-------------------|--|------------------------|-------------|
| * Heart           |  | Inflammation           | Acute, Mild |
|                   | Myocardium                             | Necrosis               | Mild        |
| * Liver           |  | Hepatocellular Adenoma |             |
|                   | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |             |
| * Parathyroid GI  |  |                        |             |
|                   | Note: One parathyroid examined.        |                        |             |
| * Urinary Bladder |  | Hemorrhage             | Mild        |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 93

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-93

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lymph Node, Mandibular    | * Nerve Trigeminal         |
| * Nose                      | * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Preputial Gland           | * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     |
| * Stomach, Glandular        | Testis                      | * Thymus                    | * Thyroid Gland            |
| * Trachea                   | * Urinary Bladder           |                             |                            |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

INSUFFICIENT TISSUE

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |                                     |               |                              |                     |
|-------------------------------------|---------------|------------------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular   | Hyperplasia                  | Minimal             |
| Note: One adrenal cortex examined.  |               |                              |                     |
| * Adren Medulla                     |               |                              |                     |
| Note: One adrenal medulla examined. |               |                              |                     |
| * Brain                             |               | Mineral                      | Minimal             |
| * Harderian Gland                   |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                            |               | Nephropathy                  | Chronicprogr, Mild  |
| * Lung                              |               | Alveolar/Bronchiolar Adenoma |                     |
| [ Alveolar/Bronchiolar Adenoma      | TGLs = 1-10 ] |                              |                     |
| * Salivary Glands                   |               | Infiltration Cellular        | Lymphocyte, Minimal |
| Tooth                               |               | Dysplasia                    | Mild                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 94

TRT#: 1

SEX: Male

DAY ON TEST: 420

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-94

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Epididymis
- \* Esophagus
- \* Bone
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Preputial Gland
- \* Prostate
- \* Pancreas
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Salivary Glands
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Spinal Cord
- \* Thyroid Gland
- \* Trachea
- \* Testis

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Parathyroid Gland
- \* Urinary Bladder

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- \* Adren Medulla

Note: One adrenal medulla examined.

- \* Brain

Mineral Mild

- \* Liver

Fatty Change Minimal

Hepatocellular Adenoma

Necrosis Mild

[ Hepatocellular Adenoma TGLs = 1-12 ]

- \* Nose

Respirat Epith

Hyperplasia Mild

- \* Thymus

Atrophy Mild

[ Atrophy TGLs = 2-6 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 95

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-95

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Preputial Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Prostate
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Mild
- \* Kidney Nephropathy Chronicprogr, Mild
  - [ Nephropathy TGLs = 6-13 ]
- \* Liver Clear Cell Focus
  - Fatty Change Mild
  - Hepatoblastoma
  - Hepatocellular Adenoma
  - [ Clear Cell Focus TGLs = 3-12 ]
  - [ Hepatoblastoma TGLs = 4-19 ]
  - [ Hepatocellular Adenoma TGLs = 5-12 ]
- \* Peripheral Nerve, Sciatic Axon Degeneration Minimal
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Seminal Vesicle Dilation Marked
  - [ Dilation TGLs = 1-16 ]
- Testis Germ Cell Degeneration Minimal
- \* Thymus Cyst

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 96

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-96

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Ileum
- \* Nose
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Salivary Glands
- \* Spinal Cord
- \* Testis
- \* Urinary Bladder

MISSING

- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex  
[ Hyperplasia TGLs = 1-7 ] Subcapsular Hyperplasia Moderate
- \* Brain Mineral Minimal
- \* Harderian Gland Adenoma
- \* Kidney  
Renal Tubule Cyst Nephropathy Chronicprogr, Minimal
- [ Cyst TGLs = 2-13 ]
- \* Liver  
Eosinophilic Focus Hepatocellular Adenoma
- [ Eosinophilic Focus TGLs = 3-12,4-12 ]
- [ Hepatocellular Adenoma TGLs = 5-19 ]
- \* Lung  
Alveolar/Bronchiolar Carcinoma Infiltration Cellular Lymphocyte, Mild
- [ Alveolar/Bronchiolar Carcinoma TGLs = 6-10 ]
- \* Parathyroid GI  
Note: One parathyroid gland examined.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 97

TRT#: 1

SEX: Male

DAY ON TEST: 711

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-97

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Nerve Trigeminal
* Nose	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thyroid Gland	* Trachea

**MISSING**

* Brain Trigeminal Ganglion	* Mammary Gland	* Thymus
-----------------------------	-----------------	----------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Marked
* Brain		Mineral	Mild
* Epididymis		Mast Cell Tumor	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
		Mast Cell Tumor	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Adenocarcinoma	
		Inflammation	Granulomatous, Mild
		Mast Cell Tumor	
	[ Adenocarcinoma TGLs = 4-14 ]		
	[ Inflammation TGLs = 4-14 ]		
* Islets, Pancreatic		Hyperplasia	Marked
	[ Hyperplasia TGLs = 2-6 ]		
* Kidney		Mast Cell Tumor	
* Liver		Extramedullary Hematopoiesis	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Mast Cell Tumor	
	[ Hepatoblastoma TGLs = 6-12 ]		
	[ Hepatocellular Carcinoma TGLs = 5-12, 7-12 ]		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 97

TRT#: 1

SEX: Male

DAY ON TEST: 711

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-97

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Hepatoblastoma	Metastatic (Liver)
		Hepatocellular Carcinoma	Metastatic (Liver)
		Mast Cell Tumor	
Lymph Node	Pancreatic	Mast Cell Tumor	
	Bronchial	Mast Cell Tumor	
	Iliac	Mast Cell Tumor	
	Renal	Mast Cell Tumor	
	[ Mast Cell Tumor	TGLs = 2-6 ]	
	[ Mast Cell Tumor	TGLs = 12-19 ]	
	[ Mast Cell Tumor	TGLs = 11-20 ]	
	[ Mast Cell Tumor	TGLs = 10-21 ]	
* Lymph Node, Mandibular		Mast Cell Tumor	
* Lymph Node, Mesenteric		Mast Cell Tumor	
	[ Mast Cell Tumor	TGLs = 3-15 ]	
* Pancreas		Inflammation	Granulomatous, Moderate
		Mast Cell Tumor	
	[ Inflammation	TGLs = 1-6 ]	
	[ Mast Cell Tumor	TGLs = 2-6 ]	
* Preputial Gland		Mast Cell Tumor	
* Prostate		Mast Cell Tumor	
* Salivary Glands		Mast Cell Tumor	
* Seminal Vesicle	Bilateral	Dilation	Mild
* Spleen		Extramedullary Hematopoiesis	Moderate
	[ Extramedullary Hematopoiesis	TGLs = 8-12, 9-12 ]	
Tooth		Dysplasia	Marked
* Urinary Bladder		Mast Cell Tumor	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 100

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-100

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**MISSING**

* Mammary Gland	* Nerve Trigeminal
-----------------	--------------------

---

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Adenoma	
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
[ Clear Cell Focus TGLs = 2-12, 3-12 ]			
[ Hepatocellular Adenoma TGLs = 4-20 ]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid GI			
Note: One parathyroid gland examined.			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Mild
* Skin	Subcut Tiss	Lipoma	
[ Lipoma TGLs = 1-19 ]			

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 102

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lung
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Minimal
- \* Islets, Pancreatic                      Hyperplasia                                      Mild
- Note: The pancreatic islet lesion is on slide 15.
- \* Kidney                                      Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                                      Fatty Change                                      Mild
- [ Clear Cell Focus    TGLs = 1-12 ]
- \* Parathyroid Gland                      Note: One parathyroid gland examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Seminal Vesicle                                      Bilateral                                      Dilation                                      Moderate
- Tooth    Dysplasia                                      Mild
- \* Urinary Bladder                                      Infiltration Cellular                      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 103

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Prostate
- \* Spleen
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- Testis

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Brain           Mineral      Mild
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Minimal
- Nephropathy      Chronicprogr, Minimal
- \* Liver           Clear Cell Focus
- Mixed Cell Focus
- \* Pituitary Gland      Pars Distalis      Cyst
- \* Preputial Gland           Infiltration Cellular      Lymphocyte, Mild
- \* Salivary Glands           Infiltration Cellular      Lymphocyte, Mild
- \* Seminal Vesicle      Bilateral      Dilatation      Mild
- \* Urinary Bladder           Infiltration Cellular      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 104

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Epididymis                | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                             |                 |
|-----------------------------|-----------------|
| * Brain Trigeminal Ganglion | * Mammary Gland |
|-----------------------------|-----------------|

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                                  | Hyperplasia            | Mild                  |
| * Brain           |  | Mineral                | Mild                  |
| * Kidney          | Interstitium                                 | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Hepatocellular Adenoma | Multiple              |
|                   | [ Clear Cell Focus TGLs = 1-12 ]             |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 2-12, 3-19 ] |                        |                       |
| * Parathyroid GI  | Note: One parathyroid gland examined.        |                        |                       |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Thymus          |  | Cyst                   |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 841

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-841

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Nerve Trigeminal
-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
	[ Eosinophilic Focus TGLs = 1-12 ]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	[ Hyperplasia TGLs = 2-19 ]		
* Parathyroid GI	Note: One parathyroid gland examined.		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
Tooth		Dysplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 842

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 657

**DOSE:** 2.5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-842

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Preputial Gland
--------------------------	-----------------	-------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule Interstitialium	Cyst Infiltration Cellular Nephropathy	Lymphocyte, Minimal Chronicprogr, Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLs = 1-20, 3-12, 8-12 ] [ Hepatocellular Carcinoma TGLs = 2-12 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLs = 4-10 ]		
* Parathyroid GI			
	Note: One parathyroid gland examined.		
* Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[ Alveolar/Bronchiolar Carcinoma TGLs = 5-19 ]		
* Spleen		Extramedullary Hematopoiesis	Moderate
	[ Extramedullary Hematopoiesis TGLs = 7-12 ]		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 842

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 657

**DOSE:** 2.5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-842

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

---

Animal Note: TGL 6 = NST

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 844

TRT#: 3

SEX: Male

DAY ON TEST: 625

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	Testis
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Glandular		

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adren Medulla			
Note: One adrenal medulla examined.			
* Brain		Mineral	Minimal
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Thrombus	Marked
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLs = 3-12 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLs = 7-10 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLs = 1-20 ]			
* Parathyroid GI			
Note: One parathyroid examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 844

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 625

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-844

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Skeletal Muscle

Degeneration

Minimal

\* Thymus

Atrophy

Moderate

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

---

Animal Note: TGLs 2, 4, 5, & 6 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 845

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular      |
| Testis                      | * Thymus                 | * Thyroid Gland             | * Trachea                 |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain           |  | Mineral                | Mild                  |
| * Epididymis      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Kidney          | Interstitium                           | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Fatty Change           | Mild                  |
|                   |  | Hepatocellular Adenoma |                       |
|                   | [ Hepatocellular Adenoma TGLs = 2-12 ] |                        |                       |
| * Lung            | Alveolar Epith                         | Hyperplasia            | Focal, Mild           |
| * Preputial Gland | Duct                                   | Dilation               | Mild                  |
|                   |  | Infiltration Cellular  | Lymphocyte, Mild      |
|                   | [ Dilation TGLs = 1-16 ]               |                        |                       |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Urinary Bladder |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 847

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                 | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nerve Trigeminal        |
| * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular      |
| Testis                      | * Thyroid Gland          | * Trachea                   |                           |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia            | Moderate              |
|                   |  | Hyperplasia            | Focal, Mild           |
| * Brain           |  | Mineral                | Minimal               |
| * Harderian Gland |  | Adenocarcinoma         |                       |
|                   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Heart           | Myocardium   | Infiltration Cellular  | Lymphocyte, Mild      |
| * Kidney          | Renal Tubule                                       | Cyst                   |                       |
|                   | Interstitium                                       | Infiltration Cellular  | Lymphocyte, Mild      |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
|                   | [ Cyst TGLs = 2-21 ]                               |                        |                       |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Hepatocellular Adenoma | Multiple              |
|                   | [ Clear Cell Focus TGLs = 5-12 ]                   |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 3-12, 4-19, 6-20 ] |                        |                       |
| * Preputial Gland |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Thymus          |  | Cyst                   |                       |
| Tooth             |  | Dysplasia              | Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 847

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-847

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 848

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                      | * Thymus                 | * Thyroid Gland             |
| * Trachea                   | * Urinary Bladder           |                          |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                     |   |                              |                       |
|---------------------|---|------------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular   | Hyperplasia                  | Mild                  |
| * Brain             |   | Mineral                      | Minimal               |
| * Epididymis        |   | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney            | Interstitium  | Infiltration Cellular        | Lymphocyte, Minimal   |
|                     |   | Nephropathy                  | Chronicprogr, Minimal |
| * Liver             |   | Hepatocellular Adenoma       | Multiple              |
|                     | [ Hepatocellular Adenoma TGLs = 2-12,3-20,4-12,5-19 ] |                              |                       |
| * Lung              |   | Alveolar/Bronchiolar Adenoma |                       |
| * Parathyroid Gland |   |                              |                       |
|                     | Note: One parathyroid gland examined                  |                              |                       |
| * Preputial Gland   | Bilateral, Duct                                       | Dilation                     | Mild                  |
|                     | [ Dilation TGLs = 1-16 ]                              |                              |                       |
| * Salivary Glands   |   | Infiltration Cellular        | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 849

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Epididymis    Infiltration Cellular    Lymphocyte, Minimal
- \* Heart    Intima, Vein    Hyperplasia    Mild
- \* Kidney    Infarct    Minimal
- Interstitium    Infiltration Cellular    Lymphocyte, Minimal
- Nephropathy    Chronicprogr, Minimal
- \* Liver    Clear Cell Focus    Fatty Change    Mild
- Hepatocellular Adenoma    Multiple
- [ Clear Cell Focus    TGLs = 4-12 ]
- [ Hepatocellular Adenoma    TGLs = 2-19, 3-19 ]
- Lymph Node    Iliac    Hyperplasia    Lymphoid, Mild
- [ Hyperplasia    TGLs = 5-19 ]
- \* Peripheral Nerve, Sciatic                      Axon    Degeneration    Minimal
- \* Preputial Gland    Duct    Dilation    Mild
- Infiltration Cellular    Lymphocyte, Mild
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 849

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-849

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Dilation

Moderate

[ Dilation TGLs = 1-16 ]

---

Animal Note: TGL 6 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 850

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular    |
| * Nose                      | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                | * Seminal Vesicle           | * Skeletal Muscle           |
| * Skin                      | * Stomach, Forestomach    | * Stomach, Glandular        | Testis                      |
| * Thyroid Gland             | * Trachea                 |                             |                             |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                          |  |                        |                         |
|--------------------------|--|------------------------|-------------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia            | Mild                    |
| * Brain                  | Artery, Meninges   | Inflammation           | Chronic Active, Minimal |
|                          |  | Mineral                | Mild                    |
| * Kidney                 |  | Nephropathy            | Chronicprogr, Minimal   |
| * Liver                  |  | Clear Cell Focus       |                         |
|                          |  | Fatty Change           | Mild                    |
|                          |  | Hepatocellular Adenoma | Multiple                |
|                          | [ Clear Cell Focus TGLs = 6-12 ]                         |                        |                         |
|                          | [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-19, 5-12 ] |                        |                         |
| Lymph Node               | Iliac  | Hyperplasia            | Lymphoid, Moderate      |
|                          | Mediastinal  | Hyperplasia            | Lymphoid, Moderate      |
|                          | [ Hyperplasia TGLs = 8-20 ]                              |                        |                         |
|                          | [ Hyperplasia TGLs = 10-21 ]                             |                        |                         |
| * Lymph Node, Mesenteric |  | Hyperplasia            | Lymphoid, Moderate      |
|                          | [ Hyperplasia TGLs = 7-15 ]                              |                        |                         |
| * Preputial Gland        |  | Infiltration Cellular  | Lymphocyte, Minimal     |
| * Salivary Glands        |  | Infiltration Cellular  | Lymphocyte, Mild        |
| * Spinal Cord            | Artery, Meninges   | Inflammation           | Chronic Active, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 850

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-850

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLs = 1-12 ]		
* Thymus		Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLs = 9-6 ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 851

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                               Subcapsular                               Hyperplasia                               Minimal
- \* Brain    Mineral                                       Minimal
- \* Epididymis                                    Infiltration Cellular                     Lymphocyte, Minimal
- \* Kidney   Interstitial                                 Infiltration Cellular                     Lymphocyte, Mild
- Nephropathy                                 Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                            Mild
- Fatty Change                                 Multiple
- Hepatocellular Adenoma
- [ Clear Cell Focus    TGLs = 3-12 ]
- [ Hepatocellular Adenoma    TGLs = 1-19, 2-12, 4-12 ]
- \* Lung    Alveolar Epith                               Hyperplasia                               Focal, Mild
- \* Lymph Node, Mesenteric                     Hyperplasia                                 Lymphoid, Mild
- \* Parathyroid GI                                Note: One parathyroid gland examined.
- \* Salivary Glands                                Infiltration Cellular                     Lymphocyte, Minimal
- \* Thyroid GI                                     Note: One thyroid gland examined.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 851

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-851

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 852

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- Testis
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy                                      Chronicprogr, Mild
- \* Liver    Clear Cell Focus                                      Fatty Change                                      Mild
- Mixed Cell Focus
- [ Clear Cell Focus    TGLs = 1-12, 2-19, 3-20 ]
- [ Fatty Change    TGLs = 4-21 ]
- [ Mixed Cell Focus    TGLs = 4-12 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular                                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 853

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-853

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
-----------------	--------------------	---------------------

**INSUFFICIENT TISSUE**

\* Prostate

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
[ Hyperplasia TGLs = 1-7.1RC ]			
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Mild
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLs = 2-12 ]			
* Pituitary Gland			
Note: Pars distalis examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 854

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Brain                  | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands           | * Seminal Vesicle         | * Skeletal Muscle           |
| * Skin                   | * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | Testis                      | * Thyroid Gland           | * Trachea                   |

MISSING

- |                          |                 |          |
|--------------------------|-----------------|----------|
| * Lymph Node, Mesenteric | * Mammary Gland | * Thymus |
|--------------------------|-----------------|----------|

OBSERVATIONS

- |  |              |                        |                       |
|--|--------------|------------------------|-----------------------|
| * Adrenal Cortex                             | Subcapsular  | Hyperplasia            | Mild                  |
| * Kidney                                     | Interstitium | Infiltration Cellular  | Lymphocyte, Minimal   |
|  |              | Nephropathy            | Chronicprogr, Minimal |
| * Liver                                      |              | Clear Cell Focus       |                       |
|  |              | Fatty Change           | Mild                  |
|  |              | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma TGLs = 1-12, 2-12 ] |              |                        |                       |
| * Parathyroid Gland                          |              |                        |                       |
| Note: One parathyroid gland examined.        |              |                        |                       |
| * Urinary Bladder                            |              | Infiltration Cellular  | Lymphocyte, Minimal   |

Animal Note: TGL 3 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 855

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Preputial Gland
- \* Spleen
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- Testis

MISSING

- \* Aorta
- \* Prostate
- \* Mammary Gland
- \* Parathyroid Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Brain           Mineral      Mild
- \* Epididymis           Infiltration Cellular      Lymphocyte, Minimal
- \* Harderian Gland           Adenoma
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Minimal
- Nephropathy      Chronicprogr, Minimal
- \* Liver           Clear Cell Focus
- Fatty Change      Moderate
- \* Lung           Hemorrhage      Mild
- Infiltration Cellular      Histiocyte, Mild
- [ Hemorrhage      TGLs = 1-10 ]
- \* Lymph Node, Mesenteric           Infiltration Cellular      Histiocyte, Mild
- \* Salivary Glands           Infiltration Cellular      Lymphocyte, Mild
- \* Seminal Vesicle      Bilateral      Dilatation      Mild
- \* Urinary Bladder           Infiltration Cellular      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 856

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-856

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Liver                   | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                    | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland         | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                    | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular      | Testis                      | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder         |                             |                          |                             |

**MISSING**

- |                             |                 |
|-----------------------------|-----------------|
| * Brain Trigeminal Ganglion | * Mammary Gland |
|-----------------------------|-----------------|

**INSUFFICIENT TISSUE**

- \* Thymus

**OBSERVATIONS**

- |                      |  |                                |                       |
|----------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex     | Subcapsular                                    | Hyperplasia                    | Mild                  |
|                      |  | Hyperplasia                    | Focal, Moderate       |
| * Brain              |  | Mineral                        | Mild                  |
| * Islets, Pancreatic |  | Hyperplasia                    | Mild                  |
| * Kidney             |  | Nephropathy                    | Chronicprogr, Minimal |
| * Lung               |  | Alveolar/Bronchiolar Carcinoma |                       |
|                      |  | Infiltration Cellular          | Histiocyte, Moderate  |
|                      | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-10 ] |                                |                       |
| * Parathyroid GI     |  |                                |                       |
|                      | Note: One parathyroid gland examined.          |                                |                       |
| * Preputial Gland    |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Salivary Glands    |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Thyroid GI         |  |                                |                       |
|                      | Note: One thyroid gland examined.              |                                |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

**ANIMAL ID:** 857

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-857

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Epididymis                | * Eye                    | * Gallbladder              | * Harderian Gland           |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 | * Parathyroid Gland         |
| * Pituitary Gland           | * Preputial Gland        | * Prostate                 | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord            | * Spleen                   | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                   | * Thyroid Gland            | * Trachea                   |
| * Urinary Bladder           |                          |                            |                             |

**MISSING**

- |         |                 |                    |
|---------|-----------------|--------------------|
| * Aorta | * Mammary Gland | * Nerve Trigeminal |
|---------|-----------------|--------------------|

**OBSERVATIONS**

- |                                       |  |                                |                        |
|---------------------------------------|--|--------------------------------|------------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia                    | Mild                   |
| * Brain                               |  | Mineral                        | Mild                   |
| * Esophagus                           |  | Infiltration Cellular          | Lymphocyte, Minimal    |
| * Islets, Pancreatic                  |  | Hyperplasia                    | Moderate               |
| * Kidney                              | Interstitial                                       | Infiltration Cellular          | Lymphocyte, Mild       |
|                                       | [ Nephropathy TGLs = 2-13 ]                        | Nephropathy                    | Chronicprogr, Moderate |
| * Liver                               |  | Hepatocellular Adenoma         | Multiple               |
|                                       | [ Hepatocellular Adenoma TGLs = 3-20, 4-20, 5-12 ] | Hepatocellular Carcinoma       |                        |
|                                       | [ Hepatocellular Carcinoma TGLs = 6-12 ]           |                                |                        |
| * Lung                                |  | Alveolar/Bronchiolar Carcinoma |                        |
|                                       | [ Alveolar/Bronchiolar Carcinoma TGLs = 7-19 ]     |                                |                        |
| * Parathyroid Gland                   |  |                                |                        |
| Note: One parathyroid gland examined. |  |                                |                        |
| * Peripheral Nerve, Sciatic           | Axon   | Degeneration                   | Minimal                |
| * Salivary Glands                     |  | Infiltration Cellular          | Lymphocyte, Minimal    |
| * Seminal Vesicle                     |  | Dilation                       | Mild                   |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 857

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-857

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

\* Thymus

Cyst

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 858

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-858

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Nerve Trigeminal	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
--------------------------	-----------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	
		Necrosis	Minimal
	[ Hepatocellular Adenoma TGLs = 1-12, 4-12, 2-19 ]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Bilateral	Dilation	Mild
Testis	Interstit Cell	Adenoma	

Animal Note: TGL 3 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 859

TRT#: 3

SEX: Male

DAY ON TEST: 244

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                             |                    |
|----------------------|-----------------------------|-----------------------------|--------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Aorta                     | * Bone             |
| * Bone Marrow        | * Brain                     | * Brain Trigeminal Ganglion | * Epididymis       |
| * Esophagus          | * Eye                       | * Harderian Gland           | * Heart            |
| * Islets, Pancreatic | * Lung                      | * Lymph Node, Mesenteric    | * Nerve Trigeminal |
| * Nose               | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Salivary Glands  |
| * Skeletal Muscle    | * Skin                      | * Spinal Cord               | Testis             |
| * Thyroid Gland      | * Trachea                   |                             |                    |

MISSING

- |                 |                     |          |
|-----------------|---------------------|----------|
| * Mammary Gland | * Parathyroid Gland | * Thymus |
|-----------------|---------------------|----------|

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Liver                     | * Pancreas               | * Preputial Gland          | * Prostate                |
| * Seminal Vesicle           | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

- |                                    |                       |                      |
|------------------------------------|-----------------------|----------------------|
| * Adren Medulla                    |                       |                      |
| Note: One adrenal medulla present. |                       |                      |
| * Lymph Node, Mandibular           | Infiltration Cellular | Histiocyte, Moderate |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 860

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-860

### ORGAN AND ACCOUNTABLE SITE STATUS

#### NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

#### MISSING

* Brain Trigeminal Ganglion	* Mammary Gland	* Nerve Trigeminal
-----------------------------	-----------------	--------------------

#### OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLs = 1-12, 2-19, 3-19, 4-12, 5-20 ]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Parathyroid GI			
Note: One parathyroid gland examined			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Tooth		Dysplasia	Mild

Animal Note: TGL 6 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 861

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                           |                             |
|-----------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum    | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                    | * Pancreas                  |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate                  |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                    | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular      | Testis                      |
| * Thymus                    | * Thyroid Gland             | * Trachea                 | * Urinary Bladder           |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |   |                           |                        |                          |
|---|---------------------------|------------------------|--------------------------|
| * Adrenal Cortex  | Subcapsular               | Hyperplasia            | Mild                     |
| Blood Vessel  |                           | Inflammation           | Chronic, Moderate        |
| Note: The blood vessel affected was a paravertebral artery (slide 3). |                           |                        |                          |
| * Brain   |                           | Mineral                | Mild                     |
| * Epididymis  | Artery                    | Infiltration Cellular  | Lymphocyte, Mild         |
|   |                           | Inflammation           | Chronic, Moderate        |
| * Harderian Gland   |                           | Infiltration Cellular  | Lymphocyte, Minimal      |
| * Heart   | Myocardium                | Inflammation           | Chronic Active, Minimal  |
|   | Artery                    | Inflammation           | Chronic Active, Moderate |
| * Kidney  |                           | Infarct                | Mild                     |
|   | Interstitium              | Infiltration Cellular  | Lymphocyte, Mild         |
|   |                           | Nephropathy            | Chronicprogr, Mild       |
| * Liver   |                           | Hepatocellular Adenoma | Multiple                 |
| [ Hepatocellular Adenoma  | TGLs = 3-12, 4-12, 5-19 ] |                        |                          |
| Mesentery   | Fat                       | Necrosis               | Mild                     |
| [ Necrosis TGLs = 2-6 ]   |                           |                        |                          |
| * Preputial Gland   |                           | Infiltration Cellular  | Lymphocyte, Mild         |
| * Salivary Glands   |                           | Infiltration Cellular  | Lymphocyte, Mild         |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 861

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-861

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

Mild

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 863

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Nose
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined
- \* Adren Medulla
  - Note: One adrenal medulla examined
- \* Bone Marrow
  - Histiocytic Sarcoma
- \* Brain
  - Mineral
  - Mild
- \* Harderian Gland
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Heart
  - Myocardium
  - Histiocytic Sarcoma
  - Mineral
  - Mild
- \* Intestine Small, Duodenum
  - Histiocytic Sarcoma
- \* Intestine Small, Ileum
  - Histiocytic Sarcoma
- \* Kidney
  - Interstitial
  - Histiocytic Sarcoma
  - Infiltration Cellular
  - Lymphocyte, Minimal
- [ Histiocytic Sarcoma TGLs = 1-13 ]
- \* Liver
  - [ Histiocytic Sarcoma TGLs = 5-12, 2-12 ]
  - Histiocytic Sarcoma
- \* Lung
  - Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 863

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-863

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Bilateral, Duct	Dilation	Moderate
	[ Dilation TGLs = 6-16 ]		
* Spleen		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLs = 3-12, 4-12 ]		

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Animal Note: TGL 7 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 864

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Nerve Trigeminal        | * Nose                      |
| * Pancreas                  | * Pituitary Gland          | * Prostate                | * Salivary Glands           |
| * Skeletal Muscle           | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular       | Testis                    | * Thymus                    |
| * Thyroid Gland             | * Trachea                  |                           |                             |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                             |              |  |                     |
|-----------------------------|--------------|--|---------------------|
| * Adrenal Cortex            | Subcapsular  | Hyperplasia  | Mild                |
| * Brain                     |              | Mineral  | Mild                |
| * Epididymis                |              | Infiltration Cellular                                    | Lymphocyte, Minimal |
| * Harderian Gland           |              | Infiltration Cellular                                    | Lymphocyte, Minimal |
| * Heart                     | Intima, Vein | Hyperplasia  | Mild                |
| * Kidney                    |              | Infarct  | Minimal             |
|                             | Interstitium | Infiltration Cellular                                    | Lymphocyte, Minimal |
|                             |              | Nephropathy  | Chronicprogr, Mild  |
| * Liver                     |              | Clear Cell Focus   |                     |
|                             |              | Fatty Change   | Mild                |
|                             |              | Hepatocellular Adenoma                                   | Multiple            |
|                             |              | [ Clear Cell Focus TGLs = 4-19 ]                         |                     |
|                             |              | [ Hepatocellular Adenoma TGLs = 1-12, 2-12, 3-19, 4-19 ] |                     |
| * Peripheral Nerve, Sciatic | Axon         | Degeneration   | Minimal             |
| * Preputial Gland           |              | Infiltration Cellular                                    | Lymphocyte, Minimal |
| * Seminal Vesicle           | Bilateral    | Dilation   | Moderate            |
| * Urinary Bladder           |              | Infiltration Cellular                                    | Lymphocyte, Mild    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 865

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | Testis                      | * Thymus                 | * Trachea                  |
| * Urinary Bladder           |                             |                          |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |                      |                        |                       |
|--|----------------------|------------------------|-----------------------|
| * Adrenal Cortex                       | Subcapsular          | Hyperplasia            | Mild                  |
| * Adren Medulla                        |                      |                        |                       |
| Note: One adrenal medulla examined.    |                      |                        |                       |
| * Brain                                |                      | Mineral                | Mild                  |
| * Harderian Gland                      |                      | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                               | Interstitium         | Infiltration Cellular  | Lymphocyte, Minimal   |
|  |                      | Nephropathy            | Chronicprogr, Minimal |
| * Liver                                |                      | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma TGLs = 1-12 ] |                      |                        |                       |
| * Parathyroid GI                       |                      |                        |                       |
| Note: One parathyroid gland examined.  |                      |                        |                       |
| * Peripheral Nerve, Sciatic            | Axon                 | Degeneration           | Mild                  |
| * Preputial Gland                      |                      | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands                      |                      | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Thyroid Gland                        | Epithelium, Follicle | Hyperplasia            | Focal, Mild           |
| Tooth                                  |                      | Dysplasia              | Mild                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 866

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                      |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular        |
| Testis                      | * Thymus                    | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder           |                             |                          |                             |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain           |  | Mineral                | Mild                  |
| * Harderian Gland |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Kidney          | Interstitial                           | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Fatty Change           | Moderate              |
|                   |  | Hepatocellular Adenoma |                       |
|                   | [ Clear Cell Focus TGLs = 1-19 ]       |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 1-19 ] |                        |                       |
| * Preputial Gland |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Thyroid GI      |  |                        |                       |

Note: One thyroid gland examined.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 866

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-866

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 867

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular        |
| Testis                      | * Thymus                    | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder           |                             |                          |                             |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |  |              |                        |                       |
|--|--------------|------------------------|-----------------------|
| * Adrenal Cortex                             | Subcapsular  | Hyperplasia            | Minimal               |
| * Brain                                      |              | Mineral                | Minimal               |
| * Epididymis                                 |              | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                                     | Interstitium | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Liver                                      |              | Nephropathy            | Chronicprogr, Minimal |
| [ Hepatocellular Adenoma TGLs = 4-12, 5-12 ] |              | Hepatocellular Adenoma | Multiple              |
| * Preputial Gland                            |              | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands                            |              | Infiltration Cellular  | Lymphocyte, Mild      |
| * Spleen                                     |              | Hemangiosarcoma        |                       |
| [ Hemangiosarcoma TGLs = 1-12 ]              |              |                        |                       |
| * Thyroid GI                                 |              |                        |                       |
| Note: One thyroid gland examined             |              |                        |                       |
| Tooth  |              | Dysplasia              | Moderate              |
|  |              | Inflammation           | Suppurative, Moderate |

Animal Note: TGLs 2, 3, & 6 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 868

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Skin
- Testis
- \* Urinary Bladder
- \* Bone
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Prostate
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Metaplasia Osseous
- \* Liver Nephropathy Chronicprogr, Minimal
- Clear Cell Focus Fatty Change Mild
- [ Clear Cell Focus TGLs = 4-12, 5-12 ]
- \* Lung Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 6-10 ]
- \* Lymph Node, Mesenteric Hyperplasia Lymphoid, Mild
- \* Preputial Gland Duct Dilation Moderate
- Infiltration Cellular Lymphocyte, Minimal
- [ Dilation TGLs = 1-16 ]
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Seminal Vesicle Dilation Minimal
- [ Dilation TGLs = 2-16 ]
- \* Spleen Hyperplasia Lymphoid, Moderate
- [ Hyperplasia TGLs = 3-12 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 869

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Thymus

OBSERVATIONS

- |                          |  |  |  |
|--------------------------|--|--|--|
| * Adrenal Cortex         | Subcapsular                                  | Hyperplasia  | Minimal  |
| * Brain                  |  | Mineral  | Mild   |
| * Epididymis             |  | Infiltration Cellular  | Mononuclear CI, Mild   |
| * Islets, Pancreatic     |  | Hyperplasia  | Mild   |
| * Kidney                 | Renal Tubule<br>Interstitialium              | Hyperplasia<br>Infiltration Cellular<br>Nephropathy                    | Focal, Minimal<br>Lymphocyte, Minimal<br>Chronicprogr, Minimal |
| * Liver                  |  | Clear Cell Focus<br>Hepatocellular Adenoma<br>Hepatocellular Carcinoma | Multiple   |
|                          | [ Clear Cell Focus TGLs = 3-12 ]             |  |  |
|                          | [ Hepatocellular Adenoma TGLs = 4-19, 6-19 ] |  |  |
|                          | [ Hepatocellular Carcinoma TGLs = 5-12 ]     |  |  |
| * Lung                   |  | Hepatocellular Carcinoma   | Metastatic (Liver)   |
| * Lymph Node, Mesenteric |  | Hemorrhage   | Minimal  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 869

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-869

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Seminal Vesicle

Bilateral

Dilation

Moderate

[ Dilation TGLs = 1-16 ]

---

Animal Note: TGL 2 = NCL

---



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

**ANIMAL ID:** 870

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-870

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Nerve Trigeminal
-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma Hypertrophy	Focal, Mild
* Adren Medulla			
Note: One adrenal medulla examined.			
* Brain		Mineral	Mild
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
[ Clear Cell Focus TGLs = 4-12 ]			
[ Hepatocellular Adenoma TGLs = 2-12, 3-19 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Parathyroid GI			
Note: One parathyroid gland examined.			
* Preputial Gland	Duct	Dilation Infiltration Cellular	Moderate Lymphocyte, Minimal
[ Dilation TGLs = 1-16 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 870

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-870

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 871

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                             |                          |
|--------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                  | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              |
| * Eye                    | * Gallbladder               | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Islets, Pancreatic     |
| * Lung                   | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas               | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Prostate               | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   |
| * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   |
| * Thymus                 | * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |   |                  |  |  |
|---|------------------|--|--|
| * Adrenal Cortex                            | Subcapsular      | Hyperplasia<br>Hypertrophy<br>Hemangioma   | Mild<br>Focal, Mild                          |
| * Heart                                     | Valve            | Inflammation                               | Chronic Active, Minimal                      |
| * Intestine Small, Ileum                    | Peyers Patch     | Hyperplasia                                | Lymphoid, Mild                               |
| * Intestine Small, Jejunum                  | Peyers Patch     | Hyperplasia                                | Lymphoid, Mild                               |
| * Kidney                                    | Interstitial     | Infiltration Cellular<br>Nephropathy       | Lymphocyte, Minimal<br>Chronicprogr, Minimal |
| * Liver                                     |                  | Clear Cell Focus<br>Hepatocellular Adenoma | Multiple                                     |
| [ Hepatocellular Adenoma TGLs = 3-12,2-12 ] |                  |  |  |
| * Parathyroid Gland                         |                  |  |  |
| Note: One parathyroid gland examined.       |                  |  |  |
| * Preputial Gland                           | Duct             | Dilation<br>Infiltration Cellular          | Moderate<br>Lymphocyte, Minimal              |
| [ Dilation TGLs = 1-16 ]                    |                  |  |  |
| * Salivary Glands                           |                  | Infiltration Cellular                      | Lymphocyte, Minimal                          |
| * Spinal Cord                               | Artery, Meninges | Inflammation                               | Chronic Active, Minimal                      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 872

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Aorta	* Bone	* Bone Marrow	* Brain Trigeminal Ganglion
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nerve Trigeminal	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thyroid Gland	* Trachea

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland	* Salivary Glands
* Thymus			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Mineral	Minimal
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart	Vein	Inflammation	Chronic Active, Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Bilateral	Infarct	Mild
	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLs = 3-19 ]		
	[ Hepatocellular Carcinoma TGLs = 2-19, 4-12 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLs = 5-10 ]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 872

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-872

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Pituitary GI

Note: Pars distalis examined.

\* Preputial Gland

Atrophy

Moderate

\* Seminal Vesicle

Dilation

Mild

[ Dilation TGLs = 1-16 ]

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 873

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla           | * Aorta                   | * Bone                      |
| * Bone Marrow            | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle           | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        |
| Testis                   | * Thymus                    | * Thyroid Gland           | * Trachea                   |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined.
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
  - Mild
- \* Kidney
  - Metaplasia
  - Osseous
  - Nephropathy
  - Chronicprogr, Minimal
  - Basophilic Focus
  - Clear Cell Focus
  - Fatty Change
  - Mild
  - Hepatocellular Adenoma
- \* Liver
  - [ Basophilic Focus TGLs = 3-12 ]
  - [ Clear Cell Focus TGLs = 3-12 ]
  - [ Fatty Change TGLs = 3-12 ]
  - [ Hepatocellular Adenoma TGLs = 3-12 ]
  - Lymph Node
    - Renal
    - [ Lymphoma Malignant TGLs = 2-7 ]
  - Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 873

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-873

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Lymph Node, Mesenteric [ Lymphoma Malignant TGLs = 1-15 ]	Lymphoma Malignant	
* Parathyroid Gland Note: One parathyroid gland examined.		
* Preputial Gland	Infiltration Cellular	Lymphocyte, Minimal
* Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 874

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Nose                     | * Pancreas                |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skeletal Muscle        | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | Testis                    |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- |                 |                    |                     |
|-----------------|--------------------|---------------------|
| * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland |
|-----------------|--------------------|---------------------|

OBSERVATIONS

- |                          |              |                        |  |
|--------------------------|--------------|------------------------|--|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia            | Mild   |
| * Brain                  |              | Mineral                | Minimal  |
| * Epididymis             |              | Infiltration Cellular  | Lymphocyte, Minimal                                      |
| * Heart                  | Endothelium  | Hyperplasia            | Minimal  |
| * Kidney                 | Renal Tubule | Cyst                   |  |
|                          | Interstitium | Infiltration Cellular  | Lymphocyte, Minimal                                      |
| * Liver                  |              | Nephropathy            | Chronicprogr, Minimal                                    |
|                          |              | Clear Cell Focus       |  |
|                          |              | Hepatocellular Adenoma | Multiple   |
|                          |              |                        | [ Clear Cell Focus TGLs = 6-12 ]                         |
|                          |              |                        | [ Hepatocellular Adenoma TGLs = 3-12, 5-12, 2-19, 4-19 ] |
| * Lymph Node, Mesenteric |              | Hemorrhage             | Minimal  |
|                          |              | Infiltration Cellular  | Histiocyte, Mild   |
| * Preputial Gland        | Duct         | Dilation               | Mild   |
|                          |              | Infiltration Cellular  | Lymphocyte, Mild   |
|                          |              |                        | [ Dilation TGLs = 1-16 ]                                 |
| * Urinary Bladder        |              | Infiltration Cellular  | Lymphocyte, Minimal                                      |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 875

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Minimal
- \* Aorta           Inflammation      Chronic, Moderate
- \* Brain      Artery, Meninges      Inflammation      Chronic Active, Minimal
- Mineral      Minimal
- Necrosis      Mild
- \* Epididymis           Infiltration Cellular      Lymphocyte, Minimal
- \* Harderian Gland           Infiltration Cellular      Lymphocyte, Minimal
- \* Heart           Cardiomyopathy      Minimal
- Artery      Inflammation      Chronic Active, Moderate
- \* Kidney           Infarct      Minimal
- Artery      Inflammation      Chronic Active, Moderate
- Nephropathy      Chronicprogr, Minimal
- \* Liver           Hepatocellular Adenoma
- [ Hepatocellular Adenoma      TGLs = 1-12 ]
- Mesentery      Artery      Inflammation      Chronic Active, Moderate
- \* Pancreas           Infiltration Cellular      Lymphocyte, Mild
- Artery      Inflammation      Chronic, Mild
- \* Preputial Gland           Infiltration Cellular      Lymphocyte, Mild
- \* Prostate      Arteriole      Inflammation      Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 875

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-875

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spinal Cord		Necrosis	Minimal
* Thymus		Cyst	
* Thyroid Gland	Arteriole	Inflammation	Chronic Active, Marked
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

---



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 876

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-876

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 878

TRT#: 3

SEX: Male

DAY ON TEST: 629

DOSE: 2.5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                    | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland         | * Preputial Gland           | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                    | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular        |
| Testis                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder           |

MISSING

- |                             |                 |            |          |
|-----------------------------|-----------------|------------|----------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Prostate | * Thymus |
|-----------------------------|-----------------|------------|----------|

OBSERVATIONS

- |                                 |  |                                |                  |
|---------------------------------|--|--------------------------------|------------------|
| * Adrenal Cortex                |  | Hemorrhage                     | Mild             |
|                                 | Subcapsular                              | Hyperplasia                    | Minimal          |
| * Brain                         |  | Mineral                        | Mild             |
| * Kidney                        | Interstitium                             | Infiltration Cellular          | Lymphocyte, Mild |
| * Liver                         |  | Hepatocellular Carcinoma       |                  |
|                                 | [ Hepatocellular Carcinoma TGLs = 1-12 ] |                                |                  |
| * Lung                          |  | Alveolar/Bronchiolar Carcinoma |                  |
| * Parathyroid Gland             |  |                                |                  |
| Note: One parathyroid examined. |  |                                |                  |
| * Salivary Glands               |  | Infiltration Cellular          | Lymphocyte, Mild |
| * Spleen                        |  | Extramedullary Hematopoiesis   | Mild             |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 880

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Adrenal Medulla
- \* Gallbladder
- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Adrenal Cortex

OBSERVATIONS

- \* Brain
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- Interstitial
- Mineral
- Hyperplasia
- Infarct
- Infiltration Cellular
- Nephropathy
- Clear Cell Focus
- Fatty Change
- Hepatocellular Adenoma
- Infiltration Cellular
- Mixed Cell Focus
- Mild
- Mild
- Mild
- Lymphocyte, Mild
- Chronicprogr, Minimal
- Mild
- Multiple
- Mixed Cell, Minimal
- [ Clear Cell Focus TGLs = 3-12 ]
- [ Hepatocellular Adenoma TGLs = 2-12, 5-19 ]
- [ Mixed Cell Focus TGLs = 4-12 ]
- \* Lymph Node, Mesenteric
- \* Parathyroid GI
- Infiltration Cellular
- Histiocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 880

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-880

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

* Preputial Gland	Duct	Dilation Infiltration Cellular	Mild Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Bilateral	Dilation	Moderate
* Thyroid GI			
Note: One thyroid gland examined.			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 881

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                  |
| * Urinary Bladder           |                             |                             |                            |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |  |                                |                       |
|---------------------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia                    | Minimal               |
|                                       |  | Hypertrophy                    | Focal, Mild           |
| * Brain                               |  | Mineral                        | Mild                  |
| * Harderian Gland                     |  | Hyperplasia                    | Focal, Moderate       |
| * Kidney                              | Renal Tubule                                       | Cyst                           |                       |
|                                       |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                               |  | Clear Cell Focus               |                       |
|                                       |  | Fatty Change                   | Mild                  |
|                                       |  | Hemangiosarcoma                |                       |
|                                       |  | Hepatocellular Adenoma         | Multiple              |
|                                       | [ Clear Cell Focus TGLs = 4-12 ]                   |                                |                       |
|                                       | [ Hemangiosarcoma TGLs = 5-19 ]                    |                                |                       |
|                                       | [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 6-20 ] |                                |                       |
| * Lung                                |  | Alveolar/Bronchiolar Carcinoma |                       |
|                                       | [ Alveolar/Bronchiolar Carcinoma TGLs = 7-10 ]     |                                |                       |
| * Parathyroid GI                      |  |                                |                       |
| Note: One parathyroid gland examined. |  |                                |                       |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 881

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-881

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Preputial Gland

Infiltration Cellular

Lymphocyte, Mild

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 883

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- Bilateral      Hypertrophy      Focal, Moderate
- \* Brain      Mineral      Mild
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Mild
- Nephropathy      Chronicprogr, Minimal
- \* Liver      Clear Cell Focus      Fatty Change      Mild
- Hepatocellular Adenoma      Multiple
- [ Clear Cell Focus    TGLs = 3-19, 2-21 ]
- [ Hepatocellular Adenoma    TGLs = 1-12, 5-12, 4-20 ]
- \* Preputial Gland      Infiltration Cellular      Lymphocyte, Minimal
- \* Salivary Glands      Infiltration Cellular      Lymphocyte, Minimal
- \* Urinary Bladder      Infiltration Cellular      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 884

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-884

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland                      \* Nerve Trigeminal

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain		Mineral	Mild
Coagulating Gland		Cyst	
		Infiltration Cellular	Lymphocyte, Mild
[ Cyst TGLs = 4-16 ]			
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLs = 5-12 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLs = 6-10 ]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Pituitary Gl			
Note: Pars distalis examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle		Dilation	Mild
[ Dilation TGLs = 2-16 ]			
* Skin	Subcut Tiss	Malignant Fibrous Histiocytoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 884

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-884

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Malignant Fibrous Histiocytoma TGLs = 1-19 ]

Tooth

Dysplasia

Moderate

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 886

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Spinal Cord
- Testis
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Prostate
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Mild
- \* Epididymis                              Infiltration Cellular              Lymphocyte, Mild
- \* Islets, Pancreatic                      Hyperplasia                        Moderate
- \* Kidney                                      Interstitium                        Infiltration Cellular              Lymphocyte, Minimal
- Nephropathy                        Chronicprogr, Minimal
- \* Liver                                        Clear Cell Focus                      Fatty Change                        Mild
- [ Clear Cell Focus    TGLs = 3-12, 4-12, 5-12 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Pituitary Gland                        Pars Distalis                        Cyst
- \* Preputial Gland                        Infiltration Cellular                Lymphocyte, Mild
- \* Thymus                                      Cyst
- \* Urinary Bladder                        Infiltration Cellular                Lymphocyte, Minimal

Animal Note: TGLs 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 887

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                   | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| Testis                      | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder           |                             |                          |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                       |              |                       |                       |
|---------------------------------------|--------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Minimal               |
| * Brain                               |              | Mineral               | Minimal               |
| * Harderian Gland                     |              | Adenocarcinoma        |                       |
| [ Adenocarcinoma TGLs = 3-5 ]         |              |                       |                       |
| * Kidney                              | Renal Tubule | Cyst                  |                       |
|                                       |              | Mineral               | Mild                  |
|                                       |              | Nephropathy           | Chronicprogr, Minimal |
| [ Cyst TGLs = 2-13 ]                  |              |                       |                       |
| * Parathyroid Gland                   |              |                       |                       |
| Note: One parathyroid gland examined. |              |                       |                       |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal   |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 888

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Minimal
- \* Brain Mineral Mild
- Coagulating Gland Cyst
- [ Cyst TGLs = 1-16 ]
- \* Heart Cardiomyopathy Minimal
- \* Kidney Nephropathy Chronicprogr, Minimal
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 4-12, 5-19 ]
- \* Lung Alveolar/Bronchiolar Carcinoma Hyperplasia Focal, Mild
- Alveolar Epith TGLs = 3-10 ]
- [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ]
- Mesentery Fat Necrosis Moderate
- [ Necrosis TGLs = 2-6 ]
- \* Preputial Gland Infiltration Cellular Lymphocyte, Minimal
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 889

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Nerve Trigeminal       | * Nose                     | * Pancreas                | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Prostate                 | * Seminal Vesicle         | * Skeletal Muscle           |
| * Skin                   | * Spinal Cord              | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | Testis                     | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- |                             |                 |                     |
|-----------------------------|-----------------|---------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Parathyroid Gland |
|-----------------------------|-----------------|---------------------|

OBSERVATIONS

- |                          |  |                          |                       |
|--------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia              | Mild                  |
|                          |  | Hyperplasia              | Focal, Mild           |
| * Brain                  |  | Mineral                  | Mild                  |
| * Epididymis             |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Harderian Gland        |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Kidney                 | Interstitium                             | Infiltration Cellular    | Lymphocyte, Mild      |
|                          |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Carcinoma |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 2-19 ] |                          |                       |
| * Lung                   |  | Infiltration Cellular    | Histiocyte, Minimal   |
| * Lymph Node, Mesenteric |  | Infiltration Cellular    | Histiocyte, Mild      |
| * Preputial Gland        |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Salivary Glands        |  | Infiltration Cellular    | Lymphocyte, Mild      |

Animal Note: TGL 1 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 890

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spinal Cord
- Testis
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Kidney    Mineral    Minimal
- Nephropathy    Chronicprogr, Minimal
- \* Liver    Clear Cell Focus    Fatty Change    Mild
- Hepatocellular Adenoma    Multiple
- Inflammation    Focal, Minimal
- [ Hepatocellular Adenoma    TGLs = 3-12, 4-19 ]
- \* Lung    Alveolar/Bronchiolar Carcinoma    Infiltration Cellular    Histiocyte, Mild
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 6-10 ]
- \* Lymph Node, Mesenteric    Hemorrhage    Minimal
- Mesentery    Fat    Necrosis    Mild
- [ Necrosis    TGLs = 2-19 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland    Infiltration Cellular    Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 890

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-890

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Hyperplasia

Lymphoid, Moderate

[ Hyperplasia TGLs = 5-6 ]

Tooth

Dysplasia

Marked

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- Testis
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Epididymis    Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland    Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular                      Lymphocyte, Minimal
- [ Nephropathy    TGLs = 3-20 ]    Nephropathy    Chronicprogr, Minimal
- \* Liver    Fatty Change    Mild
- Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 4-12 ]
- \* Lung    Alveolar/Bronchiolar Adenoma
- [ Alveolar/Bronchiolar Adenoma    TGLs = 5-19 ]
- \* Lymph Node, Mesenteric    Infiltration Cellular                      Histiocyte, Mild
- Mesentery    Fat    Necrosis    Mild
- [ Necrosis    TGLs = 1-21 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland    Infiltration Cellular                      Lymphocyte, Mild
- \* Salivary Glands    Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 891

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-891

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

Extramedullary Hematopoiesis

Moderate

\* Stomach, Forestomach

Cyst

Squamous

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 892

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-892

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland
* Prostate	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Gallbladder	* Mammary Gland	* Nerve Trigeminal
---------------	-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma	TGLs = 2-12, 3-12 ]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle		Dilation	Mild
* Spinal Cord		Degeneration	Mild
* Thymus		Cyst	

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 893

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Prostate
- \* Spleen
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- Testis

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Adren Medulla
- Note: One adrenal medulla examined.
- \* Brain                                      Mineral                                      Minimal
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Interstitium                      Infiltration Cellular                      Lymphocyte, Mild
- Nephropathy                      Chronicprogr, Minimal
- \* Liver                                      Hepatocellular Adenoma                      Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma    TGLs = 2-20, 3-12,5-12, 6-12 ]
- [ Hepatocellular Carcinoma    TGLs = 4-12 ]
- \* Lymph Node, Mesenteric                      Hemorrhage                      Minimal
- \* Preputial Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Seminal Vesicle                      Bilateral                      Dilatation                      Mild
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Minimal

Animal Note: TGLs1 & 7 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 894

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                     | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle           | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      |
| Testis                      | * Thymus                    | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                             |                            |                           |

MISSING

- |               |                 |                    |
|---------------|-----------------|--------------------|
| * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
|---------------|-----------------|--------------------|

OBSERVATIONS

- |                                       |             |                                |                       |
|---------------------------------------|-------------|--------------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia                    | Mild                  |
| * Brain                               |             | Mineral                        | Mild                  |
| * Heart                               | Endothelium | Hyperplasia                    | Minimal               |
| * Kidney                              |             | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                               |             | Fatty Change                   | Mild                  |
| * Lung                                |             | Alveolar/Bronchiolar Carcinoma |                       |
| * Parathyroid GI                      |             |                                |                       |
| Note: One parathyroid gland examined. |             |                                |                       |
| * Preputial Gland                     |             | Infiltration Cellular          | Lymphocyte, Mild      |

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 895

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal         |
| * Nose                      | * Pancreas                  | * Peripheral Nerve, Sciatic | * Prostate                 |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                      | * Thymus                   |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder           |                            |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                   |  |                                |                       |
|-------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                    | Mild                  |
| * Brain           |  | Mineral                        | Minimal               |
| * Harderian Gland |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Kidney          | Interstitium                                       | Infiltration Cellular          | Lymphocyte, Mild      |
|                   |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver           |  | Hepatoblastoma                 |                       |
|                   |  | Hepatocellular Adenoma         | Multiple              |
|                   |  | Hepatocellular Carcinoma       |                       |
|                   | [ Hepatoblastoma TGLs = 2-20 ]                     |                                |                       |
|                   | [ Hepatocellular Adenoma TGLs = 1-12, 3-20, 5-21 ] |                                |                       |
|                   | [ Hepatocellular Carcinoma TGLs = 4-12 ]           |                                |                       |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma |                       |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-19 ]     |                                |                       |
| * Preputial Gland |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Salivary Glands |  | Infiltration Cellular          | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 895

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-895

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Dilation

Moderate

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 897

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                              Infiltration Cellular                      Lymphocyte, Mild
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Mild
- Metaplasia                                      Osseous
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                                      Mild
- Fatty Change                                      Multiple
- Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 2-12, 3-12.1RC, 1-19, 5-19 ]
- \* Lung    Infiltration Cellular                      Lymphocyte, Mild
- \* Parathyroid Gland                              Note: One parathyroid gland examined.
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Mild
- \* Seminal Vesicle                              Dilatation                                      Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 898

TRT#: 3

SEX: Male

DAY ON TEST: 569

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                          |                          |                             |
|--------------------------|--------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                  | * Bone                   | * Bone Marrow               |
| * Epididymis             | * Esophagus              | * Eye                    | * Harderian Gland           |
| * Heart                  | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum   |
| * Intestine Small, Ileum | * Islets, Pancreatic     | * Lung                   | * Lymph Node, Mesenteric    |
| * Nerve Trigeminal       | * Nose                   | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Preputial Gland        | * Prostate               | * Seminal Vesicle           |
| * Skeletal Muscle        | * Skin                   | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular     | Testis                   | * Thymus                    |
| * Thyroid Gland          | * Trachea                | * Urinary Bladder        |                             |

MISSING

- |                             |                     |                             |                          |
|-----------------------------|---------------------|-----------------------------|--------------------------|
| * Brain Trigeminal Ganglion | * Gallbladder       | * Intestine Small, Duodenum | * Lymph Node, Mandibular |
| * Mammary Gland             | * Parathyroid Gland |                             |                          |

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |                  |             |              |                       |
|------------------|-------------|--------------|-----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia  | Minimal               |
| * Brain          |             | Mineral      | Mild                  |
| * Kidney         |             | Nephropathy  | Chronicprogr, Minimal |
| * Liver          |             | Congestion   | Chronic, Marked       |
|                  |             | Fatty Change | Minimal               |

Note: The severe congestion of the median lobe was likely due to torsion.

[ Congestion TGLs = 1-12, 2-12 ]

- |                   |  |                       |                  |
|-------------------|--|-----------------------|------------------|
| * Salivary Glands |  | Infiltration Cellular | Lymphocyte, Mild |
|-------------------|--|-----------------------|------------------|

PRIMARY CAUSE OF DEATH

- Liver Congestion

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 900

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Harderian Gl
  - Note: One Harderian gland examined.
- \* Kidney
 

	Interstitialium	Infiltration Cellular	Lymphocyte, Moderate
		Nephropathy	Chronicprogr, Minimal
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple

  - [ Hepatoblastoma TGLs = 2-21 ]
  - [ Hepatocellular Adenoma TGLs = 3-21 ]
  - [ Hepatocellular Carcinoma TGLs = 4-12, 5-12 ]
- \* Lung
 

	Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLs = 6-10, 9-10, 7-20, 8-20, 10-19 ]		
- \* Lymph Node, Mesenteric
 

	Erythrophagocytosis	Mild
	Hemorrhage	Mild
- \* Pituitary Gl

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 900

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-900

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: Pars distalis examined.

\* Preputial Gland

Bilateral, Duct

Dilation

Moderate

[ Dilation TGLs = 1-16 ]

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 901

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-901

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland           | * Prostate               | * Seminal Vesicle           |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   | * Thymus                    |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |                             |

**MISSING**

- |               |                 |                     |
|---------------|-----------------|---------------------|
| * Gallbladder | * Mammary Gland | * Parathyroid Gland |
|---------------|-----------------|---------------------|

**OBSERVATIONS**

- |                  |             |                        |                       |
|------------------|-------------|------------------------|-----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia            | Minimal               |
| * Brain          |             | Mineral                | Minimal               |
| * Kidney         |             | Nephropathy            | Chronicprogr, Minimal |
| * Liver          |             | Clear Cell Focus       |                       |
|                  |             | Fatty Change           | Mild                  |
|                  |             | Hepatocellular Adenoma | Multiple              |
|                  |             |                        |                       |
|                  |             | Infiltration Cellular  | Lymphocyte, Minimal   |

[ Clear Cell Focus TGLs = 3-12, 4-12 ]

[ Hepatocellular Adenoma TGLs = 1-12, 2-19 ]

\* Salivary Glands

\* Thyroid GI

Note: One thyroid gland examined.

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 902

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Prostate
- \* Spinal Cord
- \* Testis
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thyroid Gland

INSUFFICIENT TISSUE

- \* Islets, Pancreatic
- \* Pancreas
- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Brain           Mineral      Mild
- \* Epididymis           Infiltration Cellular      Lymphocyte, Minimal
- \* Heart           Cardiomyopathy      Minimal
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Mild
- Nephropathy      Chronicprogr, Mild
- \* Liver           Clear Cell Focus
- Fatty Change      Minimal
- Hepatocellular Adenoma      Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma      TGLs = 3-12, 4-19 ]
- [ Hepatocellular Carcinoma      TGLs = 2-12 ]
- \* Lymph Node, Mesenteric           Hemorrhage      Minimal
- Mesentery      Fat      Necrosis      Moderate
- [ Necrosis      TGLs = 1-6 ]
- \* Salivary Glands           Infiltration Cellular      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 902

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-902

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

---



**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 903

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-903

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Gallbladder	* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
---------------	-----------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineral	Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLs = 2-12, 3-12 ]		
* Preputial Gland	Duct	Dilation	Mild
		Infiltration Cellular	Lymphocyte, Minimal
	[ Dilation TGLs = 1-16 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Cyst	
Tooth		Dysplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 904

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                     | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              |
| * Eye                       | * Gallbladder               | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric |
| * Nerve Trigeminal          | * Nose                      | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   |
| * Thymus                    | * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                     |  |                        |                     |
|---------------------|--|------------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Minimal             |
| * Heart             | Myocardium                             | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney            |  | Nephropathy            | Chronicprogr, Mild  |
| * Liver             | Capsule                                | Fibrosis               | Moderate            |
|                     |  | Hepatocellular Adenoma |                     |
|                     | [ Fibrosis TGLs = 2-12 ]               |                        |                     |
|                     | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                     |
| * Parathyroid Gland | Note: One parathyroid gland examined   |                        |                     |
| * Preputial Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 905

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Skeletal Muscle
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Brain
- Mineral
- Mild
- \* Kidney
- Interstitialium
- Infiltration Cellular
- Nephropathy
- Lymphocyte, Minimal
- Clear Cell Focus
- Chronicprogr, Minimal
- Hepatocellular Adenoma
- Multiple
- [ Clear Cell Focus TGLs = 2-12, 3-12 ]
- [ Hepatocellular Adenoma TGLs = 4-12, 5-12 ]
- Mesentery
- Fat
- Necrosis
- Mild
- [ Necrosis TGLs = 6-6 ]
- \* Prostate
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Mild
- \* Seminal Vesicle
- Bilateral
- Dilation
- Mild
- [ Dilation TGLs = 1-16 ]
- \* Skin
- Subcut Tiss
- Histiocytic Sarcoma
- [ Histiocytic Sarcoma TGLs = 8-19 ]

Animal Note: TGL 7 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 906

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Bone                      | * Bone Marrow             | * Brain Trigeminal Ganglion |
| * Esophagus              | * Eye                       | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands           | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        |
| Testis                   | * Thymus                    | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                             |                           |                             |

MISSING

- |         |                 |                    |
|---------|-----------------|--------------------|
| * Aorta | * Mammary Gland | * Nerve Trigeminal |
|---------|-----------------|--------------------|

OBSERVATIONS

- |  |             |                        |                       |
|--|-------------|------------------------|-----------------------|
| * Adrenal Cortex   | Subcapsular | Hyperplasia            | Mild                  |
| * Brain  |             | Mineral                | Mild                  |
| * Epididymis   |             | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland  |             | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney   | Glomerulus  | Cyst                   |                       |
|  |             | Nephropathy            | Chronicprogr, Minimal |
| * Liver  |             | Fatty Change           | Mild                  |
|  |             | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma TGLs = 2-12, 3-20, 4-20, 5-12, 6-12, 7-20 ] |             |                        |                       |
| * Parathyroid Gland  |             |                        |                       |
| Note: One parathyroid gland examined.                                |             |                        |                       |
| * Seminal Vesicle  | Bilateral   | Dilation               | Moderate              |
| [ Dilation TGLs = 1-16 ]   |             |                        |                       |

Animal Note: TGLs 8, 9, & 10 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 907

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-907

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla           | * Aorta                   | * Bone                      |
| * Bone Marrow            | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nerve Trigeminal        | * Nose                      |
| * Pancreas               | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate                  |
| * Seminal Vesicle        | * Skeletal Muscle           | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular      | Testis                      |
| * Thymus                 | * Thyroid Gland             | * Trachea                 | * Urinary Bladder           |

**MISSING**

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

**OBSERVATIONS**

- |  |                        |                       |
|--|------------------------|-----------------------|
| * Brain                                      | Mineral                | Minimal               |
| * Kidney                                     | Nephropathy            | Chronicprogr, Minimal |
| * Liver                                      | Fatty Change           | Mild                  |
|  | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma TGLs = 1-12, 2-12 ] |                        |                       |
| * Preputial Gland                            | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands                            | Infiltration Cellular  | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 908

TRT#: 3

SEX: Male

DAY ON TEST: 517

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Eye
- \* Islets, Pancreatic
- \* Nose
- \* Seminal Vesicle
- Testis
- \* Urinary Bladder
- \* Bone
- \* Gallbladder
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Thymus
- \* Epididymis
- \* Heart
- \* Lymph Node, Mandibular
- \* Preputial Gland
- \* Skin
- \* Thyroid Gland
- \* Esophagus
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Prostate
- \* Spinal Cord
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Parathyroid Gland
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Mammary Gland
- \* Spleen
- \* Pancreas

AUTO PRECLUDES DIAG.

- \* Adrenal Cortex
- \* Intestine Large, Colon
- \* Kidney
- \* Adrenal Medulla
- \* Intestine Small, Duodenum
- \* Liver
- \* Bone Marrow
- \* Intestine Small, Ileum
- \* Stomach, Forestomach
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Stomach, Glandular

OBSERVATIONS

- \* Brain
- \* Harderian Gland
- \* Salivary Glands
- Mineral
- Infiltration Cellular
- Infiltration Cellular
- Mild
- Lymphocyte, Minimal
- Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: TGLs 1-6 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 909

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |                 |                       |                       |
|-------------------|-----------------|-----------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular     | Hyperplasia           | Mild                  |
| * Brain           |                 | Mineral               | Minimal               |
| * Harderian Gland |                 | Infiltration Cellular | Lymphocyte, Mild      |
| * Kidney          | Renal Tubule    | Cyst                  |                       |
|                   | Interstitialium | Infiltration Cellular | Lymphocyte, Minimal   |
|                   |                 | Nephropathy           | Chronicprogr, Minimal |
| * Liver           |                 | Eosinophilic Focus    |                       |
|                   |                 | Fatty Change          | Mild                  |
| * Salivary Glands |                 | Infiltration Cellular | Lymphocyte, Mild      |
| * Urinary Bladder |                 | Infiltration Cellular | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 911

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                | * Eye                     |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal         | * Nose                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Preputial Gland         |
| * Prostate                  | * Skeletal Muscle           | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       | Testis                    |
| * Thymus                    | * Thyroid Gland             | * Trachea                  |                           |

MISSING

- |               |                 |                     |
|---------------|-----------------|---------------------|
| * Gallbladder | * Mammary Gland | * Parathyroid Gland |
|---------------|-----------------|---------------------|

OBSERVATIONS

- |  |                |                          |                       |
|--|----------------|--------------------------|-----------------------|
| * Adrenal Cortex                         | Subcapsular    | Hyperplasia              | Mild                  |
| * Adren Medulla                          |                |                          |                       |
| Note: One adrenal medulla examined.      |                |                          |                       |
| * Brain                                  |                | Mineral                  | Mild                  |
| * Harderian Gland                        |                | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Kidney                                 | Interstitium   | Infiltration Cellular    | Lymphocyte, Minimal   |
|  |                | Metaplasia               | Osseous               |
|  |                | Nephropathy              | Chronicprogr, Minimal |
| [ Nephropathy TGLs = 2-13 ]              |                |                          |                       |
| * Liver                                  |                | Clear Cell Focus         |                       |
|  |                | Hepatocellular Carcinoma |                       |
| [ Clear Cell Focus TGLs = 4-12 ]         |                |                          |                       |
| [ Hepatocellular Carcinoma TGLs = 3-12 ] |                |                          |                       |
| * Lung                                   | Alveolar Epith | Hyperplasia              | Focal, Minimal        |
| * Salivary Glands                        |                | Infiltration Cellular    | Lymphocyte, Mild      |
| * Seminal Vesicle                        | Bilateral      | Dilation                 | Moderate              |
| [ Dilation TGLs = 1-16 ]                 |                |                          |                       |
| Tooth                                    |                | Dysplasia                | Mild                  |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 911

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-911

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 912

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis

MISSING

- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Minimal
- \* Epididymis Infiltration Cellular Lymphocyte, Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Nephropathy Chronic progr, Minimal
- Clear Cell Focus
- Eosinophilic Focus
- Fatty Change Mild
- Hepatoblastoma
- Hepatocellular Adenoma
- [ Clear Cell Focus TGLs = 1-12, 5-12, 6-12 ]
- [ Eosinophilic Focus TGLs = 3-19 ]
- [ Hepatoblastoma TGLs = 4-12 ]
- [ Hepatocellular Adenoma TGLs = 2-12 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland Inflammation Chronic Active, Moderate
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 912

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-912

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

Tooth

Dysplasia

Moderate

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 914

TRT#: 3

SEX: Male

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | Testis                      | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder           |                             |                          |                            |

MISSING

- |                          |                 |                    |
|--------------------------|-----------------|--------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
|--------------------------|-----------------|--------------------|

OBSERVATIONS

- |                          |  |                              |                       |
|--------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                                  | Hyperplasia                  | Mild                  |
| * Brain                  |  | Mineral                      | Mild                  |
| * Heart                  |  | Cardiomyopathy               | Minimal               |
| * Kidney                 | Interstitium                                 | Infiltration Cellular        | Lymphocyte, Minimal   |
|                          |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                  |  | Clear Cell Focus             |                       |
|                          |  | Fatty Change                 | Mild                  |
|                          | [ Clear Cell Focus TGLs = 2-12, 3-12, 4-19 ] |                              |                       |
| * Lung                   |  | Alveolar/Bronchiolar Adenoma |                       |
|                          | [ Alveolar/Bronchiolar Adenoma TGLs = 5-10 ] |                              |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage                   | Mild                  |
|                          | [ Hemorrhage TGLs = 1-15 ]                   |                              |                       |
| * Parathyroid GI         |  |                              |                       |
|                          | Note: One parathyroid gland examined.        |                              |                       |
| * Prostate               |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Salivary Glands        |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Seminal Vesicle        |  | Dilation                     | Mild                  |
| * Thymus                 |  | Cyst                         |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 915

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                       | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular    | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                      | * Thyroid Gland             | * Trachea                   | * Urinary Bladder          |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |                                  |                       |                     |
|---------------------------------------|----------------------------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                      | Hyperplasia           | Minimal             |
| * Brain                               |                                  | Mineral               | Minimal             |
| * Epididymis                          |                                  | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium                     | Infiltration Cellular | Lymphocyte, Mild    |
|                                       |                                  | Nephropathy           | Chronicprogr, Mild  |
| * Liver                               |                                  | Clear Cell Focus      |                     |
|                                       |                                  | Fatty Change          | Mild                |
|                                       | [ Clear Cell Focus TGLs = 1-12 ] |                       |                     |
| * Lymph Node, Mesenteric              |                                  | Hemorrhage            | Mild                |
| * Parathyroid GI                      |                                  |                       |                     |
| Note: One parathyroid gland examined. |                                  |                       |                     |
| * Preputial Gland                     |                                  | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands                     |                                  | Infiltration Cellular | Lymphocyte, Minimal |
| * Thymus                              |                                  | Cyst                  |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 916

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Brain
  - \* Kidney
  - \* Liver
  - [ Clear Cell Focus TGLs = 2-12, 4-12 ]
  - [ Fatty Change TGLs = 3-12 ]
  - \* Lung
  - [ Alveolar/Bronchiolar Adenoma TGLs = 6-10 ]
  - \* Preputial Gland
  - [ Dilation TGLs = 1-16 ]
  - \* Prostate
  - \* Salivary Glands
- Interstitialium
- Duct
- Mineral
- Infiltration Cellular
- Clear Cell Focus
- Fatty Change
- Alveolar/Bronchiolar Adenoma
- Dilation
- Infiltration Cellular
- Infiltration Cellular
- Minimal
- Lymphocyte, Mild
- Mild
- Mild
- Lymphocyte, Minimal
- Lymphocyte, Minimal

Animal Note: TGL 5 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 917

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland           | * Prostate               | * Seminal Vesicle           |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   | * Thyroid Gland             |
| * Trachea                   | * Urinary Bladder           |                          |                             |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                     |                                  |                                  |                       |
|-------------------------------------|----------------------------------|----------------------------------|-----------------------|
| * Adrenal Cortex                    | Subcapsular                      | Hyperplasia<br>Hypertrophy       | Mild<br>Focal, Mild   |
| * Adren Medulla                     |                                  |                                  |                       |
| Note: One adrenal medulla examined. |                                  |                                  |                       |
| * Brain                             |                                  | Mineral                          | Mild                  |
| * Harderian Gland                   |                                  | Hyperplasia                      | Focal, Moderate       |
| * Kidney                            |                                  | Nephropathy                      | Chronicprogr, Minimal |
| * Liver                             |                                  | Clear Cell Focus<br>Fatty Change | Moderate              |
|                                     | [ Clear Cell Focus TGLs = 1-12 ] |                                  |                       |
| * Salivary Glands                   |                                  | Infiltration Cellular            | Lymphocyte, Minimal   |
| * Thymus                            |                                  | Cyst                             |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 918

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-918

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nerve Trigeminal	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Kidney	Renal Tubule	Cyst	
		Metaplasia	Osseous
		Nephropathy	Chronicprogr, Mild
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hemangiosarcoma	
		Hepatocellular Adenoma	
	[ Hemangiosarcoma TGLs = 2-19 ]		
	[ Hepatocellular Adenoma TGLs = 3-12 ]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Parathyroid Gland			
Note: One parathyroid gland examined.			
* Prostate		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle		Dilation	Mild

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 918

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-918

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Testis

Germ Cell

Degeneration

Mild

[ Degeneration TGLs = 1-16A ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 921

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Epididymis                | * Esophagus              | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nerve Trigeminal        |
| * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thymus                    | * Thyroid Gland           |
| * Trachea                   |                          |                             |                           |

MISSING

- |                             |                 |                     |
|-----------------------------|-----------------|---------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Parathyroid Gland |
|-----------------------------|-----------------|---------------------|

OBSERVATIONS

- |  |                        |                        |                       |
|--|------------------------|------------------------|-----------------------|
| * Adrenal Cortex                                   | Bilateral, Subcapsular | Adenoma<br>Hypertrophy | Focal, Minimal        |
| * Adren Medulla                                    |                        |                        |                       |
| Note: One adrenal medulla examined.                |                        |                        |                       |
| * Brain  |                        | Mineral                | Minimal               |
| * Harderian Gland                                  |                        | Infiltration Cellular  | Lymphocyte, Mild      |
| * Kidney   | Glomerulus             | Cyst                   |                       |
|  |                        | Nephropathy            | Chronicprogr, Minimal |
| * Liver  |                        | Fatty Change           | Mild                  |
|  |                        | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 1-19 ] |                        |                        |                       |
| * Salivary Glands                                  |                        | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Urinary Bladder                                  |                        | Infiltration Cellular  | Lymphocyte, Minimal   |

Animal Note: TGL 4 = NCL

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 922

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-922

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
-----------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Lymphocyte, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLs = 1-12, 2-12, 4-12, 5-12 ]		
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Prostate		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Tissue NOS	Fat	Hemangiosarcoma	
	[ Hemangiosarcoma TGLs = 3-11 ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 923

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle        | * Skin                     | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | Testis                      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain           |  | Mineral                | Minimal               |
| * Epididymis      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney          |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Hemangiosarcoma        |                       |
|                   |  | Hepatoblastoma         |                       |
|                   |  | Hepatocellular Adenoma | Multiple              |
|                   | [ Clear Cell Focus TGLs = 3-12, 4-12 ] |                        |                       |
|                   | [ Hemangiosarcoma TGLs = 2-12 ]        |                        |                       |
|                   | [ Hepatoblastoma TGLs = 5-19 ]         |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                       |
| * Preputial Gland |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Prostate        |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Seminal Vesicle | Bilateral                              | Dilation               | Mild                  |
| Tooth             |  | Dysplasia              | Mild                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 924

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lung
- \* Lymph Node, Mandibular
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Brain
- Mineral
- Mild
- \* Harderian Gland
- Adenoma
- [ Adenoma TGLs = 6-5 ]
- \* Islets, Pancreatic
- Hyperplasia
- Mild
- \* Kidney
- Renal Tubule
- Mineral
- Minimal
- Nephropathy
- Chronic progr, Minimal
- \* Liver
- Clear Cell Focus
- Fatty Change
- Mild
- Hepatocellular Adenoma
- Multiple
- [ Clear Cell Focus TGLs = 5-12 ]
- [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-12 ]
- \* Lymph Node, Mesenteric
- Infiltration Cellular
- Histiocyte, Mild
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Minimal
- Testis
- Interstitial Cell
- Adenoma
- [ Adenoma TGLs = 1-16A ]
- \* Thymus
- Cyst

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 924

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-924

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicular Cel

Adenoma

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 926

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- Coagulating Gland Cyst
- [ Cyst TGLs = 1-16 ] Inflammation Chronic, Moderate
- \* Harderian Gland Adenocarcinoma
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- Nephropathy Lymphocyte, Minimal
- \* Liver Basophilic Focus Chronicprogr, Minimal
- Fatty Change Moderate
- [ Basophilic Focus TGLs = 2-12 ]
- \* Lung Alveolar Epith Hyperplasia Focal, Mild
- \* Preputial Gland Infiltration Cellular Lymphocyte, Mild
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Thyroid Gland Infiltration Cellular Lymphocyte, Mild
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 927

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Pancreas
- \* Preputial Gland
- \* Skin
- Testis
- \* Urinary Bladder
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Epididymis  
    Note: One epididymis examined.
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Intestine Small, Jejunum              Peyers Patch                      Infiltration Cellular                      Polymorphnuclr, Moderate
- [ Infiltration Cellular    TGLs = 1-14 ]
- [ Lymphoma Malignant    TGLs = 1-14 ]
- \* Kidney                                      Lymphoma Malignant                      Nephropathy                      Chronicprogr, Minimal
- Clear Cell Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma                      Multiple
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- [ Hepatocellular Carcinoma    TGLs = 3-19, 4-19 ]
- \* Lymph Node, Mesenteric                      Hemorrhage                                      Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 927

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-927

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Lymphoma Malignant

Dilation

Mild

\* Spleen

Extramedullary Hematopoiesis

Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 928

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Bone
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Eye
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Lymph Node, Mandibular
- \* Nose
- \* Intestine Small, Jejunum
- \* Pituitary Gland
- \* Preputial Gland
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Spinal Cord
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Testis
- \* Spleen
- \* Stomach, Forestomach
- \* Trachea
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined.
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
- \* Epididymis
  - Infiltration Cellular
  - Minimal
- \* Harderian Gland
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Islets, Pancreatic
  - Hyperplasia
  - Mild
- \* Kidney
  - Interstitialium
  - Infiltration Cellular
  - Lymphocyte, Minimal
  - Nephropathy
  - Chronicprogr, Minimal
  - Hepatocellular Adenoma
  - Multiple
  - Hepatocellular Carcinoma
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 1-12, 3-20 ]
  - [ Hepatocellular Carcinoma TGLs = 2-19 ]
- \* Lung
  - Hepatocellular Carcinoma
  - Metastatic (Liver)
- \* Lymph Node, Mesenteric
  - Hemorrhage
  - Mild
- \* Prostate
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Salivary Glands
  - Infiltration Cellular
  - Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 928

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-928

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 929

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                           |                             |
|-----------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex            | * Adrenal Medulla           | * Aorta                   | * Bone                      |
| * Bone Marrow               | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                       | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum    | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                    | * Pancreas                  |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland         | * Prostate                  |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                    | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular      | Testis                      |
| * Thymus                    | * Thyroid Gland             | * Trachea                 |                             |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |              |                       |                       |
|---------------------------------------|--------------|-----------------------|-----------------------|
| * Brain                               |              | Mineral               | Mild                  |
| * Kidney                              | Interstitial | Infiltration Cellular | Lymphocyte, Minimal   |
|                                       | Renal Tubule | Mineral               | Minimal               |
|                                       |              | Nephropathy           | Chronicprogr, Minimal |
| * Liver                               |              | Fatty Change          | Mild                  |
| * Parathyroid Gland                   |              | Cyst                  |                       |
| Note: One parathyroid gland examined. |              |                       |                       |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal   |

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 930

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                           |                             |
|-----------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum    | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular    | * Nerve Trigeminal          | * Nose                    | * Pancreas                  |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Seminal Vesicle           |
| * Skin                      | * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland           | * Trachea                   |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                          |                       |
|--------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                                    | Hyperplasia              | Mild                  |
| * Brain                  |  | Mineral                  | Minimal               |
| * Epididymis             |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Harderian Gland        |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Heart                  |  | Cardiomyopathy           | Minimal               |
| * Kidney                 | Interstitium                                   | Infiltration Cellular    | Lymphocyte, Mild      |
|                          |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Adenoma   | Multiple              |
|                          |  | Hepatocellular Carcinoma | Multiple              |
|                          | [ Hepatocellular Adenoma TGLs = 5-12, 6-12 ]   |                          |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 8-19, 7-12 ] |                          |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage               | Mild                  |
|                          | [ Hemorrhage TGLs = 4-15 ]                     |                          |                       |
| * Parathyroid Gland      |  |                          |                       |
|                          | Note: One parathyroid gland examined.          |                          |                       |
| * Preputial Gland        | Duct   | Dilation                 | Moderate              |
|                          | [ Dilation TGLs = 1-16 ]                       |                          |                       |
| * Prostate               |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Salivary Glands        |  | Infiltration Cellular    | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 930

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-930

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Skeletal Muscle

Infiltration Cellular

Lymphocyte, Minimal

Testis

Germ Cell

Degeneration

Mild

[ Degeneration TGLs = 2-16A ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 3 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 932

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Epididymis                | * Esophagus              | * Eye                       | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Nerve Trigeminal          | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thyroid Gland             | * Trachea                 |

MISSING

- |                             |               |                          |                 |
|-----------------------------|---------------|--------------------------|-----------------|
| * Brain Trigeminal Ganglion | * Gallbladder | * Lymph Node, Mandibular | * Mammary Gland |
|-----------------------------|---------------|--------------------------|-----------------|

INSUFFICIENT TISSUE

- \* Thymus

OBSERVATIONS

- |                                       |                 |  |                       |
|---------------------------------------|-----------------|--|-----------------------|
| * Adrenal Cortex                      | Subcapsular     | Hyperplasia                            | Mild                  |
| * Brain                               |                 | Mineral                                | Minimal               |
| * Kidney                              | Renal Tubule    | Cyst                                   |                       |
|                                       | Interstitialium | Infiltration Cellular                  | Lymphocyte, Minimal   |
|                                       |                 | Nephropathy                            | Chronicprogr, Minimal |
| * Liver                               |                 | Clear Cell Focus                       |                       |
|                                       |                 | Fatty Change                           | Mild                  |
|                                       |                 | Hepatoblastoma                         |                       |
|                                       |                 | Hepatocellular Adenoma                 |                       |
|                                       |                 | [ Hepatoblastoma TGLs = 1-12 ]         |                       |
|                                       |                 | [ Hepatocellular Adenoma TGLs = 2-12 ] |                       |
| * Parathyroid GI                      |                 |  |                       |
| Note: One parathyroid gland examined. |                 |  |                       |
| * Seminal Vesicle                     | Bilateral       | Dilation                               | Mild                  |
| * Urinary Bladder                     |                 | Infiltration Cellular                  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 933

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Bone
- \* Eye
- \* Gallbladder
- \* Heart
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Brain
- Mineral
- Minimal
- \* Harderian Gland
- Adenoma
- [ Adenoma TGLs = 6-5 ]
- \* Kidney
- Interstitial
- Infiltration Cellular
- Nephropathy
- Chronicprogr, Minimal
- \* Liver
- Clear Cell Focus
- Fatty Change
- Mild
- Hepatocellular Adenoma
- Inflammation
- Chronic Active, Moderate
- Vein
- [ Clear Cell Focus TGLs = 5-12 ]
- [ Hepatocellular Adenoma TGLs = 4-12 ]
- \* Preputial Gland
- Infiltration Cellular
- Inflammation
- Lymphocyte, Mild
- Chronic Active, Moderate
- \* Spleen
- Hyperplasia
- Lymphoid, Minimal
- \* Thyroid GI

Note: One thyroid gland examined

Animal Note: TGLs 1-3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 934

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric |
| * Nerve Trigeminal          | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle           | * Skeletal Muscle         | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | Testis                   |
| * Thyroid Gland             | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

INSUFFICIENT TISSUE

- \* Thymus

OBSERVATIONS

- |  |             |                        |                       |
|--|-------------|------------------------|-----------------------|
| * Adrenal Cortex                       | Subcapsular | Hyperplasia            | Mild                  |
| * Adren Medulla                        |             |                        |                       |
| Note: One adrenal medulla examined.    |             |                        |                       |
| * Brain                                |             | Mineral                | Minimal               |
| * Kidney                               |             | Nephropathy            | Chronicprogr, Minimal |
| * Liver                                |             | Clear Cell Focus       |                       |
|  |             | Fatty Change           | Mild                  |
|  |             | Hepatocellular Adenoma |                       |
| [ Hepatocellular Adenoma TGLs = 3-19 ] |             |                        |                       |
| * Pituitary Gland                      |             |                        |                       |
| Note: Pars Distalis examined.          |             |                        |                       |
| * Preputial Gland                      |             | Infiltration Cellular  | Lymphocyte, Minimal   |

Animal Note: TGLs 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 935

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                   |              |                       |                     |
|-------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                |
| * Brain           |              | Mineral               | Minimal             |
| * Harderian Gland |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney          | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
|                   |              | Metaplasia            | Osseous             |
|                   |              | Nephropathy           | Chronicprogr, Mild  |
| * Liver           |              | Clear Cell Focus      |                     |
| * Preputial Gland |              | Infiltration Cellular | Lymphocyte, Minimal |

Animal Note: TGLs 1-3 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 936

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland           | * Prostate               | * Seminal Vesicle           |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   | * Thyroid Gland             |
| * Trachea                   |                             |                          |                             |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |  |                                 |                              |                       |
|--|---------------------------------|------------------------------|-----------------------|
| * Adrenal Cortex                                   | Subcapsular                     | Hyperplasia                  | Mild                  |
| * Brain  |                                 | Mineral                      | Mild                  |
| * Harderian Gland                                  |                                 | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney   | Renal Tubule<br>Interstitialium | Cyst                         |                       |
|  |                                 | Infiltration Cellular        | Lymphocyte, Mild      |
|  |                                 | Nephropathy                  | Chronicprogr, Minimal |
| [ Cyst TGLs = 7-13 ]                               |                                 |                              |                       |
| * Liver  |                                 | Clear Cell Focus             |                       |
|  |                                 | Eosinophilic Focus           |                       |
|  |                                 | Fatty Change                 | Mild                  |
|  |                                 | Hepatocellular Adenoma       | Multiple              |
| [ Clear Cell Focus TGLs = 3-12, 4-12, 5-12, 2-19 ] |                                 |                              |                       |
| [ Hepatocellular Adenoma TGLs = 3-12, 1-19 ]       |                                 |                              |                       |
| * Lung   |                                 | Alveolar/Bronchiolar Adenoma |                       |
| [ Alveolar/Bronchiolar Adenoma TGLs = 9-10 ]       |                                 |                              |                       |
| * Parathyroid GI                                   |                                 |                              |                       |
| Note: One parathyroid gland examined.              |                                 |                              |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 936

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-936

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGLs 6, 8, & 10 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 937

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Salivary Glands
- \* Spleen
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Spinal Cord
- \* Testis
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Islets, Pancreatic    Adenoma    Hyperplasia    Mild
- \* Kidney    Nephropathy    Clear Cell Focus    Chronicprogr, Minimal
- \* Liver    Hepatocellular Adenoma    Hepatocellular Carcinoma    Multiple
- [ Hepatocellular Adenoma    TGLs = 3-19 ]
- [ Hepatocellular Carcinoma    TGLs = 2-12, 4-12 ]
- \* Lung    Alveolar Epith    Hyperplasia    Focal, Mild
- \* Seminal Vesicle    Bilateral    Dilatation    Moderate
- [ Dilatation    TGLs = 1-16 ]
- \* Thyroid GI
- Note: One thyroid gland examined

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 938

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                      | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder           |                             |                          |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                          |                       |
|--------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia              | Mild                  |
| * Brain                  |  | Mineral                  | Mild                  |
| * Harderian Gland        |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Kidney                 | Interstitial                             | Infiltration Cellular    | Lymphocyte, Minimal   |
|                          | Renal Tubule                             | Mineral                  | Minimal               |
| * Liver                  |  | Nephropathy              | Chronicprogr, Minimal |
|                          |  | Fatty Change             | Mild                  |
|                          |  | Hepatocellular Adenoma   |                       |
|                          |  | Hepatocellular Carcinoma |                       |
|                          | [ Hepatocellular Adenoma TGLs = 2-12 ]   |                          |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 2-12 ] |                          |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage               | Minimal               |
|                          | [ Hemorrhage TGLs = 3-15 ]               |                          |                       |
| * Parathyroid GI         |  |                          |                       |
|                          | Note: One parathyroid gland examined.    |                          |                       |
| * Preputial Gland        |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Salivary Glands        |  | Infiltration Cellular    | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 938

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-938

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

Tooth

Dysplasia

Mild

---

Animal Note: TGL 1 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 939

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Epididymis                | * Esophagus              | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Skeletal Muscle           | * Skin                    |
| * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular        | Testis                    |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder           |                           |

MISSING

- |                             |                          |                 |          |
|-----------------------------|--------------------------|-----------------|----------|
| * Brain Trigeminal Ganglion | * Lymph Node, Mesenteric | * Mammary Gland | * Thymus |
|-----------------------------|--------------------------|-----------------|----------|

OBSERVATIONS

- |                     |  |                        |                       |
|---------------------|--|------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular  | Hyperplasia            | Mild                  |
|                     |  | Hypertrophy            | Focal, Minimal        |
| * Brain             |  | Mineral                | Mild                  |
| * Harderian Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney            |  | Infarct                | Mild                  |
|                     |  | Metaplasia             | Osseous               |
|                     |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver             |  | Clear Cell Focus       |                       |
|                     |  | Fatty Change           | Mild                  |
|                     |  | Hepatocellular Adenoma | Multiple              |
|                     | [ Hepatocellular Adenoma TGLs = 4-19, 5-12, 6-12 ] |                        |                       |
| * Parathyroid Gland |  |                        |                       |
|                     | Note: One parathyroid gland examined.              |                        |                       |
| * Preputial Gland   |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Seminal Vesicle   | Bilateral  | Dilation               | Mild                  |
|                     | [ Dilation TGLs = 2-16 ]                           |                        |                       |
| * Spleen            |  | Hemangiosarcoma        |                       |
| Tooth               |  | Dysplasia              | Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 939

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-939

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 1 & 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 940

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                       | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Skeletal Muscle           | * Skin                      | * Spinal Cord              |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                      | * Thyroid Gland            |
| * Trachea                   | * Urinary Bladder           |                             |                            |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |   |  |                        |                       |
|---|--|------------------------|-----------------------|
| * Adrenal Cortex                                  | Subcapsular                            | Hyperplasia            | Minimal               |
| * Brain   |  | Mineral                | Minimal               |
| * Epididymis                                      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Islets, Pancreatic                              |  | Infiltration Cellular  | Lymphocyte, Mild      |
| Note: Islet tissue is present on slide 14 and 15. |  |                        |                       |
| * Kidney  | Renal Tubule                           | Cyst                   |                       |
|   |  | Metaplasia             | Osseous               |
|   | Renal Tubule                           | Mineral                | Minimal               |
|   |  | Nephropathy            | Chronicprogr, Minimal |
|   | [ Cyst TGLs = 2-13 ]                   |                        |                       |
| * Liver   |  | Hepatoblastoma         |                       |
|   |  | Hepatocellular Adenoma |                       |
|   | [ Hepatoblastoma TGLs = 4-12 ]         |                        |                       |
|   | [ Hepatocellular Adenoma TGLs = 5-19 ] |                        |                       |
| * Lung  | Alveolar Epith                         | Hyperplasia            | Focal, Mild           |
| Lymph Node  | Iliac                                  | Erythrophagocytosis    | Mild                  |
|   | [ Erythrophagocytosis TGLs = 7-21 ]    |                        |                       |
| Mesentery   | Fat                                    | Necrosis               | Moderate              |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 940

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-940

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Necrosis TGLs = 3-6 ]

\* Pancreas

Note: Pancreas tissue is present on slides 14 and 15.

\* Parathyroid Gland

Note: One parathyroid gland examined.

\* Preputial Gland

Bilateral, Duct

Dilation

Mild

[ Dilation TGLs = 1-16 ]

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Seminal Vesicle

Bilateral

Dilation

Minimal

\* Spleen

Extramedullary Hematopoiesis

Mild

---

Animal Note: TGL 6 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 942

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Prostate

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Adren Medulla
    - Note: One adrenal medulla examined.
  - \* Harderian Gland
  - \* Heart
  - \* Liver
    - [ Fatty Change TGLs = 4-12 ]
    - [ Necrosis TGLs = 4-12 ]
  - \* Lung
    - [ Alveolar/Bronchiolar Adenoma TGLs = 1-10 ]
  - \* Salivary Glands
  - \* Thymus
- |  |                              |                     |
|--|------------------------------|---------------------|
|  | Infiltration Cellular        | Lymphocyte, Minimal |
|  | Mineral                      | Mild                |
|  | Fatty Change                 | Moderate            |
|  | Necrosis                     | Moderate            |
|  | Alveolar/Bronchiolar Adenoma |                     |
|  | Infiltration Cellular        | Lymphocyte, Mild    |
|  | Atrophy                      | Marked              |

PRIMARY CAUSE OF DEATH - Liver Necrosis

Animal Note: TGLs 2, 3, & 5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 943

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
Testis	* Thyroid Gland	* Trachea	

MISSING

* Brain Trigeminal Ganglion	* Mammary Gland	* Nerve Trigeminal	* Pituitary Gland
-----------------------------	-----------------	--------------------	-------------------

INSUFFICIENT TISSUE

\* Thymus

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Vacuolization Cytoplasmic Mineral	Mild Focal, Mild Minimal
* Brain		Lymphoma Malignant	
* Intestine Small, Ileum		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitial	Nephropathy Hemangiosarcoma Hepatocellular Adenoma	Chronicprogr, Minimal Multiple
* Liver			
	[ Hemangiosarcoma TGLs = 6-12 ]		
	[ Hepatocellular Adenoma TGLs = 4-20, 5-19, 7-12, 8-12 ]		
* Lung		Hemorrhage	Mild
Lymph Node		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 3-21 ]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 2-15 ]		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 943

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-943

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Skin

[ Ulcer TGLs = 1-21 ]

Ulcer

Marked

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 944

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Brain Mineral Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Islets, Pancreatic Carcinoma
- [ Carcinoma TGLs = 2-6 ]
- \* Kidney Renal Tubule Cyst Lymphocyte, Mild
- [ Cyst TGLs = 3-13 ] Interstitialium Infiltration Cellular Chronicprogr, Minimal
- [ Cyst TGLs = 3-13 ]  Nephropathy
- \* Liver Clear Cell Focus Mild
- [ Clear Cell Focus TGLs = 7-19 ]  Fatty Change Multiple
- [ Hepatocellular Adenoma TGLs = 4-12, 5-12, 6-12 ]  Hepatocellular Adenoma
- \* Lymph Node, Mesenteric Hemorrhage Mild
- [ Hemorrhage TGLs = 1-15 ]

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 944

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-944

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Seminal Vesicle

Bilateral

Dilation

Moderate

Tooth

Dysplasia

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 945

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Spinal Cord
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder
- \* Testis

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral Mild
- \* Eye
  - Cornea Edema Mild
  - Cornea Hyperplasia Squamous, Diffuse, Moderate
- \* Harderian Gland
  - [ Hyperplasia TGLs = 1-5 ]
  - Adenoma
  - Hyperplasia Focal, Mild
  - Mineral Moderate
- \* Kidney
  - [ Adenoma TGLs = 6-5 ]
  - Interstitial Infiltration Cellular Lymphocyte, Mild
  - Nephropathy Chronicprogr, Minimal
- \* Liver
  - Fatty Change Minimal
  - Hepatocellular Adenoma Multiple
- \* Lung
  - [ Hepatocellular Adenoma TGLs = 2-12, 3-19, 4-20 ]
  - [ Alveolar/Bronchiolar Adenoma TGLs = 5-10 ]
  - Alveolar/Bronchiolar Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 945

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-945

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Nose  
\* Salivary Glands  
\* Thymus

Respirat Epith

Hyperplasia  
Infiltration Cellular  
Cyst

Moderate  
Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 997

TRT#: 3

SEX: Male

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thyroid Gland             | * Trachea                 |
| * Urinary Bladder           |                          |                             |                           |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                   |  |                          |                          |
|-------------------|--|--------------------------|--------------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia              | Mild                     |
| * Brain           |  | Mineral                  | Minimal                  |
| * Epididymis      |  | Infiltration Cellular    | Lymphocyte, Minimal      |
| * Heart           | Artery                                   | Inflammation             | Chronic Active, Moderate |
| * Kidney          |  | Nephropathy              | Chronicprogr, Minimal    |
| * Liver           |  | Clear Cell Focus         |                          |
|                   |  | Fatty Change             | Mild                     |
|                   |  | Hepatocellular Adenoma   |                          |
|                   |  | Hepatocellular Carcinoma |                          |
|                   | [ Hepatocellular Adenoma TGLs = 2-12 ]   |                          |                          |
|                   | [ Hepatocellular Carcinoma TGLs = 1-19 ] |                          |                          |
| * Parathyroid GI  | Note: One parathyroid gland examined.    |                          |                          |
| * Salivary Glands |  | Infiltration Cellular    | Lymphocyte, Mild         |
| * Thymus          |  | Cyst                     |                          |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1053

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- Testis
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Thymus

OBSERVATIONS

- \* Epididymis
- \* Kidney
- \* Liver
- [ Hepatoblastoma TGLs = 3-12 ]
- [ Hepatocellular Adenoma TGLs = 2-12 ]
- \* Lung
- Mesentery
- [ Necrosis TGLs = 1-6 ]
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Urinary Bladder
- Granuloma Sperm
- Nephropathy
- Fatty Change
- Hepatoblastoma
- Hepatocellular Adenoma
- Hyperplasia
- Necrosis
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Mild
- Chronicprogr, Minimal
- Mild
- Focal, Minimal
- Moderate
- Lymphocyte, Mild
- Lymphocyte, Minimal
- Lymphocyte, Minimal
- Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1054

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- Testis
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Minimal
- \* Bone Marrow           Hemangiosarcoma
- \* Brain           Mineral      Mild
- \* Harderian Gland           Infiltration Cellular      Lymphocyte, Minimal
- \* Kidney      Renal Tubule      Cyst
- Infarct      Mild
- Nephropathy      Chronicprogr, Minimal
- \* Liver           Clear Cell Focus
- Fatty Change      Mild
- [ Clear Cell Focus      TGLs = 1-12 ]
- \* Lung           Infiltration Cellular      Lymphocyte, Mild
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland           Infiltration Cellular      Lymphocyte, Minimal
- \* Salivary Glands           Infiltration Cellular      Lymphocyte, Minimal
- \* Spleen           Extramedullary Hematopoiesis      Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1055

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Eye
- \* Mammary Gland
- \* Nerve Trigeminal
- Testis

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Moderate
- \* Brain    Mineral                                      Mild
- \* Kidney    Nephropathy                              Chronicprogr, Minimal
- \* Liver    Clear Cell Focus
- Fatty Change                              Mild
- Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- Mesentery                                      Fat    Necrosis                                      Moderate
- [ Necrosis    TGLs = 1-15 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Seminal Vesicle                                      Dilation                                      Mild
- \* Thymus    Cyst

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1057

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1057

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Nose                   |
| * Pancreas                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Preputial Gland           | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                      | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | Testis                    | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder           |                           |                             |                          |

**MISSING**

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

**INSUFFICIENT TISSUE**

- \* Lymph Node, Mesenteric

**OBSERVATIONS**

- |                   |  |                                |                     |
|-------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                                    | Hyperplasia                    | Mild                |
| * Brain           |  | Mineral                        | Minimal             |
| * Kidney          | Interstitial                                   | Infiltration Cellular          | Lymphocyte, Minimal |
|                   |  | Nephropathy                    | Chronicprogr, Mild  |
| * Liver           |  | Hepatocellular Adenoma         | Multiple            |
|                   |  | Hepatocellular Carcinoma       |                     |
|                   | [ Hepatocellular Adenoma TGLs = 5-12 ]         |                                |                     |
|                   | [ Hepatocellular Carcinoma TGLs = 3-12 ]       |                                |                     |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma |                     |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-10 ] |                                |                     |
| * Skeletal Muscle |  | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung)   |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-19 ] |                                |                     |
| * Thymus          |  | Atrophy                        | Moderate            |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1057

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 656

**DOSE:** 5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1057

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: TGL 1 = NCL; TGL 2 = NST

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1059

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Testis
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Infarct                                      Mild
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus                                      Multiple
- Hepatoblastoma
- Hepatocellular Adenoma
- [ Clear Cell Focus    TGLs = 2-12 ]
- [ Hepatoblastoma    TGLs = 3-20 ]
- [ Hepatocellular Adenoma    TGLs = 1-19 ]
- \* Lymph Node, Mesenteric                      Hemorrhage                                      Minimal
- [ Hemorrhage    TGLs = 4-15 ]
- Mesentery                                      Fat                                      Necrosis                                      Moderate
- [ Necrosis    TGLs = 5-6 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland                                      Infiltration Cellular                                      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1059

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1059

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

Tooth

Dysplasia

Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1060

TRT#: 5

SEX: Male

DAY ON TEST: 721

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                           |                             |
|-----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus               | * Eye                       |
| * Harderian Gland           | * Intestine Large, Colon | * Intestine Large, Rectum | * Lung                      |
| * Nerve Trigeminal          | * Nose                   | * Pancreas                | * Peripheral Nerve, Sciatic |
| * Prostate                  | * Salivary Glands        | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord               | * Spleen                 | Testis                    | * Thymus                    |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder         |                             |

MISSING

- |                          |                 |                     |
|--------------------------|-----------------|---------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Parathyroid Gland |
|--------------------------|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- |                            |                          |                             |                          |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Gallbladder              | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Stomach, Forestomach   | * Stomach, Glandular        |                          |

OBSERVATIONS

- |                          |  |                        |                     |
|--------------------------|--|------------------------|---------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia            | Mild                |
|                          |  | Hyperplasia            | Focal, Mild         |
| * Brain                  |  | Mineral                | Mild                |
| * Heart                  |  | Cardiomyopathy         | Mild                |
| * Islets, Pancreatic     |  | Hyperplasia            | Mild                |
| * Kidney                 |  | Nephropathy            | Chronicprogr, Mild  |
| * Liver                  |  | Hepatocellular Adenoma | Multiple            |
|                          | [ Hepatocellular Adenoma TGLs = 8-12, 9-12, 10-12, 12-12 ] |                        |                     |
| * Lymph Node, Mesenteric |  | Hemorrhage             | Minimal             |
|                          |  | Infiltration Cellular  | Histiocyte, Mild    |
| * Pituitary Gland        | Pars Distalis  | Adenoma                |                     |
|                          | [ Adenoma TGLs = 13-4 ]                                    |                        |                     |
| * Preputial Gland        |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Seminal Vesicle        | Bilateral  | Dilation               | Moderate            |
|                          | [ Dilation TGLs = 1-16 ]                                   |                        |                     |
| Tooth                    |  | Dysplasia              | Marked              |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1060

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 721

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1060

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Ureter

Inflammation

Chronic Active, Moderate

---

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

---

Animal Note: TGLS 2-7 and TGL11 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1062

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Cecum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- Testis
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Ileum
- \* Pancreas
- \* Preputial Gland
- \* Stomach, Glandular

MISSING

- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Bone Marrow                      Myeloid Cell                      Hypercellularity                      Moderate
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Heart                                      Bacteria                                      Acute, Mild
- Inflammation                                      Moderate
- Myocardium                                      Necrosis                                      Minimal
- Thrombus                                      Moderate
- \* Islets, Pancreatic                      Hyperplasia                                      Mild
- \* Kidney                                      Papilla                                      Bacteria                                      Mild
- Papilla                                      Inflammation                                      Acute, Mild
- Nephropathy                                      Chronicprogr, Mild
- [ Nephropathy    TGLs = 3-13 ]
- \* Liver                                      Hepatoblastoma                                      Necrosis                                      Mild
- [ Hepatoblastoma    TGLs = 2-19 ]
- \* Lung                                      Hepatoblastoma                                      Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1062

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1062

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Iliac	Hemorrhage	Minimal
	Renal	Pigment	Mild
[ Hemorrhage TGLs = 6-20 ]			
[ Pigment TGLs = 5-21 ]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Parathyroid G1			
Note: One parathyroid examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Mild
[ Dilation TGLs = 1-16 ]			
* Skeletal Muscle		Inflammation	Acute, Mild
* Spleen		Extramedullary Hematopoiesis	Moderate
[ Extramedullary Hematopoiesis TGLs = 4-12 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
		Inflammation	Acute, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1063

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1063

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea		

**MISSING**

* Mammary Gland	* Nerve Trigeminal
-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain		Mineral	Mild
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLs = 4-19 ]		
	[ Hepatocellular Carcinoma TGLs = 3-12 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLs = 2-6 ]		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Cyst	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1064

TRT#: 5

SEX: Male

DAY ON TEST: 649

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                           |
|-----------------------------|-----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                     |
| * Harderian Gland           | * Heart                     | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum  | * Islets, Pancreatic     | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Preputial Gland         |
| * Prostate                  | * Skeletal Muscle           | * Skin                   | * Spinal Cord             |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   | * Thyroid Gland           |
| * Trachea                   |                             |                          |                           |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

AUTO PRECLUDES DIAG.

- |               |                          |                             |
|---------------|--------------------------|-----------------------------|
| * Gallbladder | * Intestine Large, Cecum | * Intestine Small, Duodenum |
|---------------|--------------------------|-----------------------------|

OBSERVATIONS

- |                              |                          |  |                              |
|------------------------------|--------------------------|--|------------------------------|
| * Adrenal Cortex             | Subcapsular<br>Bilateral | Hyperplasia<br>Hyperplasia               | Mild<br>Focal, Mild          |
| * Brain                      |                          | Mineral                                  | Minimal                      |
| * Kidney                     | Interstitial             | Infiltration Cellular                    | Lymphocyte, Minimal          |
| * Liver                      | Hepatocyte               | Degeneration<br>Fatty Change<br>Necrosis | Moderate<br>Mild<br>Moderate |
| [ Degeneration TGLs = 2-12 ] |                          |  |                              |
| * Salivary Glands            |                          | Infiltration Cellular                    | Lymphocyte, Minimal          |
| * Seminal Vesicle            | Bilateral                | Dilation                                 | Mild                         |
| [ Dilation TGLs = 5-16 ]     |                          |  |                              |
| * Spleen                     |                          | Extramedullary Hematopoiesis             | Moderate                     |
| * Thymus                     |                          | Atrophy                                  | Mild                         |
| * Urinary Bladder            |                          | Infiltration Cellular                    | Lymphocyte, Minimal          |

PRIMARY CAUSE OF DEATH - Liver Hepatocyte Degeneration

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1064

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 649

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1064

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 1, 3, & 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1065

TRT#: 5

SEX: Male

DAY ON TEST: 702

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Eye
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Prostate
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Gallbladder
- \* Intestine Small, Ileum
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Esophagus
- \* Intestine Large, Cecum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
  - \* Adrenal Medulla
  - \* Bone Marrow
  - \* Brain
  - \* Epididymis
  - \* Heart
  - \* Intestine Large, Colon
  - \* Intestine Small, Duodenum
  - \* Intestine Small, Jejunum
  - [ Lymphoma Malignant TGLs = 7-14 ]
  - \* Kidney
  - [ Nephropathy TGLs = 3-13 ]
  - \* Liver
  - \* Lung
  - [ Congestion TGLs = 5-10 ]
  - Lymph Node
  - [ Lymphoma Malignant TGLs = 11-13, 2-13 ]
  - \* Lymph Node, Mesenteric
  - [ Lymphoma Malignant TGLs = 6-15 ]
- Lymphoma Malignant
- Lymphoma Malignant
- Hypercellularity
- Mineral
- Lymphoma Malignant
- Lymphoma Malignant
- Lymphoma Malignant
- Lymphoma Malignant
- Nephropathy
- Extramedullary Hematopoiesis
- Necrosis
- Congestion
- Lymphoma Malignant
- Lymphoma Malignant
- Moderate
- Minimal
- Chronicprogr, Mild
- Mild
- Minimal
- Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1065

TRT#: 5

SEX: Male

DAY ON TEST: 702

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1065

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant	
* Parathyroid Gland			
Note: One parathyroid examined.			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland		Lymphoma Malignant	
* Skeletal Muscle		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 11-20 ]		
* Spleen		Extramedullary Hematopoiesis	Mild
		Lymphoma Malignant	
	[ Extramedullary Hematopoiesis TGLs = 1-12 ]		
	[ Lymphoma Malignant TGLs = 1-12 ]		
Testis		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 4-6 ]		

PRIMARY CAUSE OF DEATH - Skeletal Muscle Lymphoma Malignant

Animal Note: TGLS 8-10 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1067

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Nose
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Pancreas

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular

OBSERVATIONS

- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
  - Mild
- \* Harderian Gland
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Liver
  - Hepatocellular Carcinoma
  - Necrosis
  - Moderate
- [ Hepatocellular Carcinoma TGLs = 1-12 ]
- \* Lung
  - Congestion
  - Hepatocellular Carcinoma
  - Metastatic (Liver)
  - Alveolar Epith
  - Hyperplasia
  - Focal, Mild
- \* Parathyroid GI
  - Note: One parathyroid examined.

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1068

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Heart    Lymphoma Malignant
- \* Kidney    Nephropathy    Chronicprogr, Minimal
- \* Liver    Clear Cell Focus
- [ Clear Cell Focus    TGLs = 2-12 ]
- \* Lung    Lymphoma Malignant
- Lymph Node    Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 3-19, 4-20 ]
- \* Lymph Node, Mesenteric                      Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 1-15 ]
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Thymus    Lymphoma Malignant
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1069

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland	* Nerve Trigeminal
---------------	--------------------------	-----------------	--------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule Interstitialium	Cyst Infiltration Cellular Mineral Nephropathy	Lymphocyte, Mild Minimal Chronicprogr, Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma	
	[ Clear Cell Focus TGLs = 2-12, 3-12, 5-12 ] [ Hepatocellular Adenoma TGLs = 4-12 ]		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Testis	Germ Cell	Degeneration	Minimal
* Thymus		Cyst	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1070

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- Testis
- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Prostate
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Salivary Glands

OBSERVATIONS

- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Harderian Gland
- \* Kidney
- [ Infarct TGLs = 1-21 ]
- \* Liver
- [ Hepatoblastoma TGLs = 2-20 ]
- [ Hepatocellular Adenoma TGLs = 4-12 ]
- \* Lung
- [ Alveolar/Bronchiolar Adenoma TGLs = 3-19 ]
- \* Lymph Node, Mesenteric
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Seminal Vesicle
- \* Spleen
- Bilateral
- Hypercellularity
- Mineral
- Infiltration Cellular
- Infiltration Cellular
- Infarct
- Nephropathy
- Hepatoblastoma
- Hepatocellular Adenoma
- Inflammation
- Alveolar/Bronchiolar Adenoma
- Infiltration Cellular
- Dilation
- Extramedullary Hematopoiesis
- Mild
- Minimal
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Minimal
- Chronicprogr, Minimal
- Chronic Active, Mild
- Mild
- Histiocyte, Mild
- Mild
- Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1070

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1070

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

Epithelium

Hyperplasia

Focal, Mild

\* Thymus

Cyst

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1071

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Aorta                     | * Bone                      | * Bone Marrow               | * Brain                    |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Nerve Trigeminal          | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                   |                            |

MISSING

- |                   |                 |
|-------------------|-----------------|
| * Adrenal Medulla | * Mammary Gland |
|-------------------|-----------------|

OBSERVATIONS

- |                          |  |                                |                       |
|--------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                                    | Hyperplasia                    | Minimal               |
| * Harderian Gland        |  | Adenoma                        |                       |
| * Kidney                 | Interstitium                                   | Infiltration Cellular          | Lymphocyte, Mild      |
|                          |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Adenoma         |                       |
|                          |  | Hepatocellular Carcinoma       |                       |
|                          | [ Hepatocellular Adenoma TGLs = 2-19 ]         |                                |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 1-12 ]       |                                |                       |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                       |
|                          |  | Hepatocellular Carcinoma       | Metastatic (Liver)    |
|                          |  | Infiltration Cellular          | Histiocyte, Mild      |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ] |                                |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage                     | Mild                  |
| * Preputial Gland        |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Salivary Glands        |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Spleen                 |  | Extramedullary Hematopoiesis   | Mild                  |
| * Urinary Bladder        |  | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1072

TRT#: 5

SEX: Male

DAY ON TEST: 571

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal       | * Nose                     |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Preputial Gland        | * Prostate                 |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spleen                   |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |                           |                       |                         |
|--|---------------------------|-----------------------|-------------------------|
| * Adrenal Cortex                       | Subcapsular               | Hyperplasia           | Mild                    |
| * Brain                                | Meninges                  | Inflammation          | Chronic, Minimal        |
|  |                           | Mineral               | Minimal                 |
| * Harderian Gland                      |                           | Infiltration Cellular | Lymphocyte, Mild        |
| * Islets, Pancreatic                   |                           | Hyperplasia           | Moderate                |
| * Kidney                               | Interstitium              | Infiltration Cellular | Lymphocyte, Mild        |
|  |                           | Nephropathy           | Chronicprogr, Minimal   |
| * Liver                                |                           | Fatty Change          | Minimal                 |
| * Lung                                 |                           | Infiltration Cellular | Mononuclear CI, Minimal |
| * Pancreas                             |                           | Infiltration Cellular | Lymphocyte, Mild        |
| * Parathyroid GI                       |                           |                       |                         |
| Note: One parathyroid gland evaluated. |                           |                       |                         |
| * Pituitary Gland                      | Pars Distalis             | Adenoma               |                         |
| [ Adenoma TGLs = 1-4 ]                 |                           |                       |                         |
| * Salivary Glands                      |                           | Infiltration Cellular | Lymphocyte, Mild        |
| * Spinal Cord                          | Artery, Meninges          | Inflammation          | Chronic Active, Minimal |
| * Stomach, Forestomach                 | Epithelium                | Hyperplasia           | Focal, Moderate         |
| Testis                                 | Bilateral, Germinal Epith | Atrophy               | Moderate                |
|  | Germ Cell                 | Degeneration          | Mild                    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1072

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 571

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1072

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

**ANIMAL ID:** 1073

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1073

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Nerve Trigeminal
-----------------	--------------------

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		[ Hepatocellular Adenoma TGLs = 1-12 ]	
		[ Hepatocellular Carcinoma TGLs = 2-12 ]	
* Parathyroid Gland			
		Note: One parathyroid gland examined.	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Prostate		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Thymus		Cyst	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1074

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Preputial Gland           | * Prostate                  | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                      | * Thyroid Gland             | * Trachea                   |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                       |  |                              |                       |
|---------------------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular                                  | Hyperplasia                  | Minimal               |
| Note: One adrenal cortex examined.    |  |                              |                       |
| * Adren Medulla                       |  |                              |                       |
| Note: One adrenal medulla examined.   |  |                              |                       |
| * Brain                               |  | Mineral                      | Mild                  |
| * Harderian Gland                     |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Islets, Pancreatic                  |  | Hyperplasia                  | Mild                  |
| * Kidney                              | Interstitialium                              | Infiltration Cellular        | Lymphocyte, Minimal   |
|                                       |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                               |  | Clear Cell Focus             |                       |
|                                       |  | Hepatocellular Adenoma       | Multiple              |
|                                       | [ Hepatocellular Adenoma TGLs = 1-12 ]       |                              |                       |
| * Lung                                |  | Alveolar/Bronchiolar Adenoma |                       |
|                                       | [ Alveolar/Bronchiolar Adenoma TGLs = 2-19 ] |                              |                       |
| * Parathyroid Gland                   |  |                              |                       |
| Note: One parathyroid gland examined. |  |                              |                       |
| * Salivary Glands                     |  | Infiltration Cellular        | Lymphocyte, Mild      |
| * Seminal Vesicle                     | Bilateral                                    | Dilation                     | Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1074

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1074

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Moderate

Cyst

Tooth

Dysplasia

Moderate

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1075

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                 | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thymus                    | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                             |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                        |                       |
|--------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                                  | Hyperplasia            | Mild                  |
| * Brain                  |  | Mineral                | Minimal               |
| * Harderian Gland        |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Heart                  |  | Cardiomyopathy         | Minimal               |
| * Kidney                 | Interstitium                                 | Infiltration Cellular  | Lymphocyte, Minimal   |
|                          |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Adenoma | Multiple              |
|                          | [ Hepatocellular Adenoma TGLs = 3-12, 4-20 ] |                        |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage             | Mild                  |
|                          |  | Infiltration Cellular  | Plasma Cell, Moderate |
|                          | [ Infiltration Cellular TGLs = 1-15 ]        |                        |                       |
| Mesentery                | Fat  | Lipoma                 |                       |
|                          | [ Lipoma TGLs = 2-19 ]                       |                        |                       |
| * Parathyroid GI         |  |                        |                       |
|                          | Note: One parathyroid gland examined.        |                        |                       |
| * Salivary Glands        |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1076

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1076

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	Testis	* Thyroid Gland	* Trachea

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Thymus
--------------------------	-----------------	---------------------	----------

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Forestomach	* Stomach, Glandular

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adren Medulla			
Note: One adrenal medulla examined.			
* Intestine Large, Colon		Adenocarcinoma	
[ Adenocarcinoma TGLs = 5-19 ]			
* Kidney	Interstitial	Infiltration Cellular Nephropathy	Lymphocyte, Minimal Chronicprogr, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH - Intestine Large, Colon Adenocarcinoma

Animal Note: TGLs 1-3 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1077

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone                    | * Bone Marrow               |
| * Brain                  | * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder               | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Lymph Node, Mandibular  | * Nerve Trigeminal          |
| * Nose                   | * Pancreas                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Prostate                  | * Seminal Vesicle         | * Skeletal Muscle           |
| * Skin                   | * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | Testis                      | * Thyroid Gland           | * Trachea                   |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mesenteric | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                      |  |                                |                       |
|----------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex     | Subcapsular                                    | Hyperplasia                    | Minimal               |
| * Islets, Pancreatic |  | Hyperplasia                    | Moderate              |
| * Kidney             | Interstitium                                   | Infiltration Cellular          | Lymphocyte, Minimal   |
|                      |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver              |  | Clear Cell Focus               |                       |
|                      |  | Hepatocellular Adenoma         | Multiple              |
|                      | [ Clear Cell Focus TGLs = 3-12, 4-12, 5-12 ]   |                                |                       |
|                      | [ Hepatocellular Adenoma TGLs = 1-19, 2-12 ]   |                                |                       |
| * Lung               |  | Alveolar/Bronchiolar Carcinoma |                       |
|                      | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-10 ] |                                |                       |
| * Parathyroid GI     | Note: One parathyroid gland examined.          |                                |                       |
| * Preputial Gland    |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Salivary Glands    |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Thymus             |  | Cyst                           |                       |
| * Urinary Bladder    |  | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1078

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1078

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Harderian Gland		Adenoma	
		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLs = 2-12, 3-12, 1-19 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1079

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                     | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              |
| * Eye                       | * Gallbladder               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular |
| * Nerve Trigeminal          | * Nose                      | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland           | * Prostate               |
| * Salivary Glands           | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder           |                             |                             |                          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                        |                       |
|--------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                                  | Adenoma                |                       |
|                          | Subcapsular                                  | Hyperplasia            | Mild                  |
| * Harderian Gland        |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                 | Interstitium                                 | Infiltration Cellular  | Lymphocyte, Mild      |
|                          |  | Metaplasia             | Osseous               |
|                          |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver                  |  | Fatty Change           | Mild                  |
|                          |  | Hepatocellular Adenoma | Multiple              |
|                          | [ Hepatocellular Adenoma TGLs = 1-12, 2-12 ] |                        |                       |
| * Lymph Node, Mesenteric |  | Hyperplasia            | Lymphoid, Mild        |
| * Parathyroid GI         |  |                        |                       |
|                          | Note: One parathyroid gland examined.        |                        |                       |
| * Thyroid GI             |  |                        |                       |
|                          | Note: One thyroid gland examined.            |                        |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1080

TRT#: 5

SEX: Male

DAY ON TEST: 31

DOSE: 5 W/kg

DISP: Accidentally Killed

HISTO: 12-5117-1080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Aorta                     | * Bone                    |
| * Bone Marrow               | * Brain                  | * Brain Trigeminal Ganglion | * Epididymis              |
| * Esophagus                 | * Eye                    | * Gallbladder               | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nerve Trigeminal        |
| * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands           | * Seminal Vesicle         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord               | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | Testis                      | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder           |                           |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                |                                  |                       |                     |
|----------------|----------------------------------|-----------------------|---------------------|
| * Kidney       | Interstitial                     | Infiltration Cellular | Lymphocyte, Minimal |
| * Lung         |                                  | Hemorrhage            | Moderate            |
|                | [ Hemorrhage TGLs = 2-10, 3-10 ] |                       |                     |
| * Pituitary Gl |                                  |                       |                     |

Note: Only the pars distalis was available for evaluation

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1081

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Salivary Glands
- \* Spleen
- \* Thymus

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular Carcinoma
  - Subcapsular Hyperplasia
- \* Brain
  - Mineral Minimal
- \* Kidney
  - Nephropathy Chronicprogr, Minimal
- \* Liver
  - Clear Cell Focus
  - Fatty Change Mild
- [ Clear Cell Focus TGLs = 3-12, 4-12 ]
- Mesentery
  - Fat Necrosis
  - Necrosis Moderate
- [ Necrosis TGLs = 2-6 ]
- \* Seminal Vesicle
  - Bilateral Dilation
  - Dilation Mild
- [ Dilation TGLs = 1-16 ]
- \* Thyroid GI
  - Note: One thyroid gland examined.
- \* Urinary Bladder
  - Infiltration Cellular Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1082

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Gallbladder
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
- [ Hepatocellular Carcinoma TGLs = 1-12, 2-19 ]
- \* Lung
- Alveolar Epith
- [ Hepatocellular Carcinoma TGLs = 3-10 ]
- [ Hyperplasia TGLs = 3-10 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Spleen
- Subcapsular
- Hyperplasia
- Mineral
- Infiltration Cellular
- Nephropathy
- Hepatocellular Carcinoma
- Necrosis
- Hemorrhage
- Hepatocellular Carcinoma
- Hyperplasia
- Inflammation
- Infiltration Cellular
- Infiltration Cellular
- Extramedullary Hematopoiesis
- Minimal
- Minimal
- Lymphocyte, Minimal
- Chronicprogr, Minimal
- Multiple
- Mild
- Minimal
- Metastatic (Liver)
- Focal, Mild
- Chronic Active, Marked
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1082

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1082

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Hyperplasia

Lymphoid, Mild

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1083

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nose                    | * Pancreas                  | * Pituitary Gland        |
| * Prostate                  | * Seminal Vesicle         | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| Testis                      | * Thymus                  | * Thyroid Gland             | * Trachea                |

MISSING

- |                 |                    |                     |
|-----------------|--------------------|---------------------|
| * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland |
|-----------------|--------------------|---------------------|

INSUFFICIENT TISSUE

- \* Peripheral Nerve, Sciatic

OBSERVATIONS

- |  |                 |                       |                     |
|--|-----------------|-----------------------|---------------------|
| * Adrenal Cortex                       | Subcapsular     | Hyperplasia           | Mild                |
| * Adren Medulla                        |                 |                       |                     |
| Note: One adrenal medulla examined.    |                 |                       |                     |
| * Brain                                |                 | Mineral               | Mild                |
| * Kidney                               | Interstitialium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                                |                 | Clear Cell Focus      |                     |
|  |                 | Fatty Change          | Mild                |
| [ Clear Cell Focus TGLs = 1-12, 2-12 ] |                 |                       |                     |
| * Preputial Gland                      |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Salivary Glands                      |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                      |                 | Infiltration Cellular | Lymphocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1085

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Testis
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Artery, Meninges Inflammation Chronic Active, Mild
- \* Epididymis Mineral Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Nephropathy Lymphocyte, Minimal
- \* Liver Clear Cell Focus Chronicprogr, Minimal
- \* Liver Hepatocellular Adenoma Multiple
- \* Lung [ Clear Cell Focus TGLs = 6-12 ]
- \* Lung [ Hepatocellular Adenoma TGLs = 3-12, 4-21, 5-22 ]
- \* Lung Alveolar/Bronchiolar Adenoma Multiple
- \* Lung Hemorrhage Minimal
- \* Lung Alveolar Epith Hyperplasia Focal, Mild
- \* Mesentery [ Alveolar/Bronchiolar Adenoma TGLs = 7-20, 8-20 ]
- \* Mesentery Fat Necrosis Moderate
- \* Mesentery [ Necrosis TGLs = 2-19 ]
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Spinal Cord Artery, Meninges Inflammation Chronic Active, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1085

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1085

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 1 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1087

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Skeletal Muscle
- Testis
- \* Bone
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Bone Marrow
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Mild
- \* Gallbladder                              Cyst
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy                              Chronicprogr, Minimal
- \* Liver                                      Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 9-12 ]
- \* Lung                                      Alveolar Epith                              Hyperplasia                              Focal, Mild
- Lymph Node                              Mediastinal                              Hyperplasia                              Lymphoid, Mild
- [ Hyperplasia    TGLs = 10-20 ]
- \* Lymph Node, Mandibular                      Hyperplasia                              Lymphoid, Mild
- \* Lymph Node, Mesenteric                      Hemorrhage                              Mild
- Hyperplasia                              Lymphoid, Mild
- [ Hemorrhage    TGLs = 7-15 ]
- [ Hyperplasia    TGLs = 6-15 ]
- \* Nose                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Parathyroid GI

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1087

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1087

ORGAN AND ACCOUNTABLE SITE STATUS

Note: One parathyroid gland examined.

* Preputial Gland	Duct	Dilation Infiltration Cellular	Mild Lymphocyte, Minimal
	[ Dilation TGLs = 4-16 ]		
* Prostate		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
* Skin	Epidermis	Hyperplasia Ulcer	Focal, Moderate Moderate
	[ Hyperplasia TGLs = 2-22 ]		
	[ Ulcer TGLs = 1-21, 2-22, 3-23 ]		
* Spleen		Extramedullary Hematopoiesis Lymphoma Malignant	Moderate
	[ Extramedullary Hematopoiesis TGLs = 5-12 ]		
	[ Lymphoma Malignant TGLs = 5-12 ]		
* Urinary Bladder		Lymphoma Malignant	

Animal Note: TGL 8 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1088

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Hepatocellular Adenoma                      Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma    TGLs = 1-12, 2-12, 3-20, 6-12 ]
- [ Hepatocellular Carcinoma    TGLs = 4-21 ]
- \* Lymph Node, Mesenteric                                      Hemorrhage                                      Mild
- \* Peripheral Nerve, Sciatic                                      Degeneration                                      Minimal
- \* Prostate    Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Urinary Bladder                                      Infiltration Cellular                      Lymphocyte, Mild

Animal Note: TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1090

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Nerve Trigeminal          | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Skeletal Muscle         | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | Testis                   |
| * Thyroid Gland             | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Thymus

OBSERVATIONS

- |                   |  |                          |                       |
|-------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia              | Mild                  |
| * Brain           |  | Mineral                  | Minimal               |
| * Kidney          |  | Infarct                  | Minimal               |
|                   | Interstitium                             | Infiltration Cellular    | Lymphocyte, Mild      |
|                   |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver           |  | Hepatoblastoma           |                       |
|                   |  | Hepatocellular Adenoma   |                       |
|                   |  | Hepatocellular Carcinoma |                       |
|                   | [ Hepatoblastoma TGLs = 3-12 ]           |                          |                       |
|                   | [ Hepatocellular Adenoma TGLs = 2-12 ]   |                          |                       |
|                   | [ Hepatocellular Carcinoma TGLs = 4-19 ] |                          |                       |
| * Lung            |  | Hepatocellular Carcinoma | Metastatic (Liver)    |
| * Pituitary Gland | Pars Distalis                            | Cyst                     |                       |
| * Preputial Gland | Bilateral, Duct                          | Dilation                 | Moderate              |
|                   |  | Infiltration Cellular    | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1090

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1090

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

\* Prostate

\* Salivary Glands

\* Seminal Vesicle

Tooth

Bilateral

Infiltration Cellular

Infiltration Cellular

Dilation

Dysplasia

Lymphocyte, Minimal

Lymphocyte, Minimal

Mild

Marked

[ Dysplasia TGLs = 5-18 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1091

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Brain
  - \* Kidney Interstitium
    - Mineral
    - Infiltration Cellular
    - Nephropathy
    - Hepatocellular Adenoma
    - Hepatocellular Carcinoma
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 2-12 ]
    - [ Hepatocellular Carcinoma TGLs = 1-12 ]
  - \* Lung
    - Alveolar/Bronchiolar Adenoma
    - Hepatocellular Carcinoma
    - Hemorrhage
  - \* Lymph Node, Mandibular
  - \* Parathyroid GI
    - Note: One parathyroid gland examined.
  - \* Salivary Glands
  - \* Urinary Bladder
- Mild Lymphocyte, Minimal Chronicprogr, Minimal
- Metastatic (Liver) Minimal
- Lymphocyte, Minimal Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1092

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| Testis                      | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

INSUFFICIENT TISSUE

- \* Peripheral Nerve, Sciatic

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Minimal               |
| * Brain           |  | Mineral                | Minimal               |
| * Epididymis      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney          | Renal Tubule<br>Interstitialium        | Cyst                   |                       |
|                   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Hepatoblastoma         |                       |
|                   |  | Hepatocellular Adenoma |                       |
|                   | [ Hepatoblastoma TGLs = 2-19 ]         |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                       |
| Mesentery         | Fat                                    | Inflammation           | Granulomatous, Mild   |
|                   | Fat                                    | Lipoma                 |                       |
|                   | [ Lipoma TGLs = 3-19 ]                 |                        |                       |
| * Preputial Gland |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1092

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1092

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1093

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thymus

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular    Lymphocyte, Minimal
- Nephropathy    Chronicprogr, Minimal
- \* Liver    Hepatoblastoma
- [ Hepatoblastoma    TGLs = 1-12 ]
- \* Lung    Squamous Cell Carcinoma    Metastatic (Skin)
- [ Squamous Cell Carcinoma    TGLs = 3-10 ]
- Lymph Node    Axillary    Squamous Cell Carcinoma    Metastatic (Skin)
- Lumbar    Squamous Cell Carcinoma    Metastatic (Skin)
- [ Squamous Cell Carcinoma    TGLs = 4-20 ]
- \* Lymph Node, Mesenteric    Hemorrhage    Mild
- \* Parathyroid GI    Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Seminal Vesicle    Bilateral    Dilation    Mild
- \* Skeletal Muscle    Squamous Cell Carcinoma    Metastatic (Skin)

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1093

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1093

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Squamous Cell Carcinoma TGLs = 5-17 ]

\* Skin

Squamous Cell Carcinoma

[ Squamous Cell Carcinoma TGLs = 2-19, 5-19 ]

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCMDA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1094

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1094

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
--------------------------	-----------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Necrosis	Minimal
	[ Clear Cell Focus TGLs = 8-12 ]		
	[ Hepatocellular Adenoma TGLs = 5-12, 6-12, 4-19 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skin	Subcut Tiss	Malignant Fibrous Histiocytoma	
	[ Malignant Fibrous Histiocytoma TGLs = 1-20 ]		
* Spleen		Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLs = 3-12 ]		
Tooth		Inflammation	Chronic Active, Moderate

Animal Note: TGLs 2 & 7 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1095

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                     | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Prostate                |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord              | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                     | * Thyroid Gland           |
| * Trachea                   |                             |                            |                           |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |  |                                |                       |
|---------------------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular                                    | Hyperplasia                    | Mild                  |
| * Brain                               |  | Mineral                        | Mild                  |
| * Epididymis                          |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Harderian Gland                     |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Kidney                              | Interstitium                                   | Infiltration Cellular          | Lymphocyte, Minimal   |
|                                       |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                               |  | Hepatocellular Adenoma         |                       |
|                                       |  | Mixed Cell Focus               |                       |
|                                       |  | Necrosis                       | Minimal               |
|                                       | [ Hepatocellular Adenoma TGLs = 3-12 ]         |                                |                       |
|                                       | [ Mixed Cell Focus TGLs = 5-12 ]               |                                |                       |
| * Lung                                |  | Alveolar/Bronchiolar Adenoma   |                       |
|                                       |  | Alveolar/Bronchiolar Carcinoma |                       |
|                                       |  | Infiltration Cellular          | Histiocyte, Moderate  |
|                                       | [ Alveolar/Bronchiolar Adenoma TGLs = 4-19 ]   |                                |                       |
|                                       | [ Alveolar/Bronchiolar Carcinoma TGLs = 2-10 ] |                                |                       |
| * Parathyroid GI                      |  |                                |                       |
| Note: One parathyroid gland examined. |  |                                |                       |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1095

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1095

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Bilateral	Dilation	Moderate
* Thymus		Cyst	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1096

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Stomach, Forestomach      | * Stomach, Glandular      |
| Testis                      | * Thymus                 | * Thyroid Gland             | * Trachea                 |
| * Urinary Bladder           |                          |                             |                           |

MISSING

- |               |                 |                    |
|---------------|-----------------|--------------------|
| * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
|---------------|-----------------|--------------------|

OBSERVATIONS

- |                   |  |                              |                       |
|-------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                                    | Hyperplasia                  | Minimal               |
| * Brain           |  | Mineral                      | Minimal               |
| * Epididymis      |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney          | Interstitium                                   | Infiltration Cellular        | Lymphocyte, Mild      |
| * Liver           |  | Nephropathy                  | Chronicprogr, Minimal |
|                   | [ Hepatocellular Carcinoma TGLs = 1-12, 2-19 ] | Hepatocellular Carcinoma     | Multiple              |
| * Preputial GI    |  |                              |                       |
|                   | Note: One preputial gland examined.            |                              |                       |
| * Salivary Glands |  | Infiltration Cellular        | Lymphocyte, Mild      |
| * Spleen          |  | Extramedullary Hematopoiesis | Moderate              |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1097

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Preputial Gland          | * Prostate                |
| * Seminal Vesicle           | * Skeletal Muscle        | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | Testis                    |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- |                          |                 |                    |
|--------------------------|-----------------|--------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
|--------------------------|-----------------|--------------------|

OBSERVATIONS

- |                                       |  |                        |                       |
|---------------------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia            | Minimal               |
| * Brain                               |  | Mineral                | Mild                  |
| * Epididymis                          |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland                     |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                              |  | Infarct                | Minimal               |
|                                       | Interstitium   | Infiltration Cellular  | Lymphocyte, Mild      |
|                                       | Renal Tubule   | Mineral                | Minimal               |
|                                       |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver                               |  | Clear Cell Focus       |                       |
|                                       |  | Hepatocellular Adenoma | Multiple              |
|                                       | [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-20, 5-12, 6-12 ] |                        |                       |
| * Lymph Node, Mesenteric              |  | Infiltration Cellular  | Histiocyte, Marked    |
| * Parathyroid Gland                   |  |                        |                       |
| Note: One parathyroid gland examined. |  |                        |                       |
| * Salivary Glands                     |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Thyroid Gland                       |  |                        |                       |
| Note: One thyroid gland examined.     |  |                        |                       |
| Tooth                                 |  | Dysplasia              | Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1097

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1097

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1098

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Islets, Pancreatic Hyperplasia Mild
- \* Kidney Renal Tubule Cyst Nephropathy Chronicprogr, Minimal
  - [ Cyst TGLs = 3-13 ]
  - [ Nephropathy TGLs = 4-13 ]
- \* Liver Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Multiple
  - [ Hepatocellular Adenoma TGLs = 7-12, 8-19, 9-20 ]
- \* Lung Alveolar/Bronchiolar Carcinoma
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 6-10, 5-10 ]
- \* Preputial Gland Inflammation Chronic Active, Marked
  - [ Inflammation TGLs = 1-16 ]
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Seminal Vesicle Dilation Mild
  - [ Dilation TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1098

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1098

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

---

Animal Note: TGL5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1099

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Spleen
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Intestine Small, Jejunum Serosa Inflammation Granulomatous, Mild
- [ Inflammation TGLs = 4-14 ]
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- Nephropathy Chronicprogr, Minimal
- \* Liver Clear Cell Focus Mild
- Fatty Change Multiple
- Hepatocellular Adenoma
- [ Clear Cell Focus TGLs = 7-12 ]
- [ Fatty Change TGLs = 7-12 ]
- [ Hepatocellular Adenoma TGLs = 5-12, 6-12 ]
- Mesentery Fat Necrosis Moderate
- [ Necrosis TGLs = 3-6 ]
- \* Preputial Gland Bilateral, Duct Dilation Mild
- Infiltration Cellular Lymphocyte, Mild
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1099

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1099

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Dilation

Mild

[ Dilation TGLs = 2-16 ]

---

Animal Note: TGL 1 = NCL

---



**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCMDA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1100

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 694

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1100

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nerve Trigeminal	* Nose	* Pancreas	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
Testis	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

**AUTO PRECLUDES DIAG.**

\* Gallbladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Adenoma TGLs = 3-12, 4-12, 6-12 ]		
	[ Hepatocellular Carcinoma TGLs = 2-19, 3-19, 5-19,7-19 ]		
* Pituitary GI			
Note: Pars distalis examined.			
* Preputial Gland	Bilateral, Duct	Dilation	Mild
	[ Dilation TGLs = 1-16 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Extramedullary Hematopoiesis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1100

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 694

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1100

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1101

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Pituitary Gland
- \* Skin
- Testis
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach

MISSING

- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Harderian Gland                                      Infiltration Cellular                                      Lymphocyte, Minimal
- \* Kidney    Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Clear Cell Focus
- Hepatoblastoma
- Hepatocellular Adenoma
- [ Hepatoblastoma    TGLs = 3-19 ]
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- \* Lung    Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 4-10 ]
- \* Lymph Node, Mesenteric                                      Erythrophagocytosis                                      Mild
- \* Preputial Gland                                      Infiltration Cellular                                      Lymphocyte, Minimal
- \* Seminal Vesicle                                      Bilateral                                      Dilatation                                      Moderate
- [ Dilatation    TGLs = 1-16 ]
- \* Spleen    Extramedullary Hematopoiesis                                      Mild
- \* Thymus    Cyst
- \* Thyroid Gland                                      Follicular Cel                                      Adenoma
- [ Adenoma    TGLs = 5-8 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1101

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth  
\* Urinary Bladder

Dysplasia  
Infiltration Cellular

Mild  
Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1102

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Skin
- Testis

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular Adenoma
  - Subcapsular Hyperplasia
- \* Brain
  - Mineral Mild
- \* Harderian Gland
  - Infiltration Cellular Lymphocyte, Minimal
- \* Kidney
  - Nephropathy Chronicprogr, Minimal
- \* Liver
  - Clear Cell Focus
  - Fatty Change Moderate
  - Mixed Cell Focus
- [ Clear Cell Focus TGLs = 2-12 ]
- [ Mixed Cell Focus TGLs = 1-12 ]
- \* Lymph Node, Mesenteric
  - Hemorrhage Minimal
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Preputial Gland
  - Infiltration Cellular Lymphocyte, Minimal
- \* Stomach, Forestomach
  - Squamous Cell Papilloma
- [ Squamous Cell Papilloma TGLs = 3-19 ]
- \* Urinary Bladder
  - Infiltration Cellular Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1103

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Epididymis                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                                      Fatty Change                                      Mild
- Hepatocellular Adenoma
- [ Clear Cell Focus    TGLs = 4-12 ]
- [ Fatty Change      TGLs = 3-12 ]
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- \* Pituitary Gl                                      Note: Pars distalis examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Seminal Vesicle                                      Dilatation                                      Mild
- [ Dilatation      TGLs = 1-16 ]
- \* Thymus    Cyst

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1105

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1105

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
--------------------------	-----------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain	Artery, Meninges	Inflammation	Chronic Active, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
	[ Clear Cell Focus TGLs = 5-12, 6-12, 7-12 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLs = 2-20, 3-20, 4-19 ]		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle		Dilation	Mild
* Spinal Cord	Artery, Meninges	Inflammation	Chronic Active, Minimal
* Thymus		Cyst	
* Thyroid GI			

Note: One thyroid gland examined.

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1106

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Prostate
- \* Spinal Cord
- \* Thymus

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- Testis

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Mild
- \* Islets, Pancreatic                      Hyperplasia                                      Minimal
- \* Kidney                                      Nephropathy                                      Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus                                      Hepatocellular Carcinoma
- [ Clear Cell Focus    TGLs = 3-12 ]
- [ Hepatocellular Carcinoma    TGLs = 1-12, 2-12 ]
- \* Lung                                      Alveolar/Bronchiolar Adenoma
- \* Preputial Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1107

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular    |
| * Nose                      | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland         | * Prostate                  | * Seminal Vesicle           |
| * Skeletal Muscle           | * Skin                    | * Spinal Cord               | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular      | Testis                      | * Thymus                    |
| * Thyroid Gland             | * Trachea                 | * Urinary Bladder           |                             |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                          |  |                          |                       |
|--------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia              | Minimal               |
| * Brain                  |  | Mineral                  | Mild                  |
| * Kidney                 | Interstitium   | Infiltration Cellular    | Lymphocyte, Minimal   |
|                          |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Adenoma   | Multiple              |
|                          |  | Hepatocellular Carcinoma |                       |
|                          | [ Hepatocellular Adenoma TGLs = 3-12, 4-12, 5-12, 1-19 ] |                          |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 2-20 ]                 |                          |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage               | Mild                  |
| * Parathyroid GI         |  |                          |                       |
|                          | Note: One parathyroid gland examined.                    |                          |                       |
| * Salivary Glands        |  | Infiltration Cellular    | Lymphocyte, Mild      |

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1109

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1109

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                            |                          |                             |
|-----------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis               | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                    | * Intestine Large, Cecum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Nerve Trigeminal       | * Nose                      |
| * Pancreas                  | * Parathyroid Gland        | * Pituitary Gland        | * Prostate                  |
| * Seminal Vesicle           | * Skeletal Muscle          | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular     | Testis                      |
| * Thymus                    | * Thyroid Gland            | * Trachea                |                             |

**MISSING**

- |                          |                           |                 |                             |
|--------------------------|---------------------------|-----------------|-----------------------------|
| * Intestine Large, Colon | * Intestine Large, Rectum | * Mammary Gland | * Peripheral Nerve, Sciatic |
|--------------------------|---------------------------|-----------------|-----------------------------|

**OBSERVATIONS**

- |                                       |                 |                       |                       |
|---------------------------------------|-----------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular     | Hyperplasia           | Mild                  |
| * Adren Medulla                       |                 |                       |                       |
| Note: One adrenal medulla examined.   |                 |                       |                       |
| * Brain                               |                 | Mineral               | Minimal               |
| * Harderian Gland                     |                 | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                              |                 | Nephropathy           | Chronicprogr, Minimal |
| * Liver                               |                 | Basophilic Focus      |                       |
|                                       |                 | Fatty Change          | Mild                  |
| Mesentery                             | Fat             | Necrosis              | Mild                  |
| [ Necrosis TGLs = 2-6 ]               |                 |                       |                       |
| * Parathyroid GI                      |                 |                       |                       |
| Note: One parathyroid gland examined. |                 |                       |                       |
| * Preputial Gland                     | Bilateral, Duct | Dilation              | Mild                  |
|                                       |                 | Infiltration Cellular | Lymphocyte, Mild      |
| * Salivary Glands                     |                 | Infiltration Cellular | Lymphocyte, Minimal   |
| * Urinary Bladder                     |                 | Infiltration Cellular | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1110

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- Testis
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Adrenal Medulla
- \* Parathyroid Gland
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Brain
  - Artery, Meninges
    - Inflammation
    - Mineral
  - Islets, Pancreatic
    - Hyperplasia
  - Kidney
    - Interstitialium
    - Infiltration Cellular
    - Nephropathy
  - Liver
    - Hepatoblastoma
    - Hepatocellular Carcinoma
    - [ Hepatoblastoma TGLs = 2-19 ]
    - [ Hepatocellular Carcinoma TGLs = 4-12, 3-19 ]
  - Lung
    - Alveolar/Bronchiolar Adenoma
    - Hepatocellular Carcinoma
    - [ Alveolar/Bronchiolar Adenoma TGLs = 5-10 ]
  - Preputial Gland
    - Duct
      - Dilation
      - Infiltration Cellular
    - [ Dilation TGLs = 1-16 ]
  - Salivary Glands
    - Infiltration Cellular
  - Spinal Cord
    - Artery, Meninges
      - Inflammation
  - Spleen
    - Extramedullary Hematopoiesis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1110

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1110

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Moderate

\* Thyroid GI

Cyst

Note: One thyroid gland examined.

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1112

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone Marrow	* Brain Trigeminal Ganglion
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mesenteric
* Nerve Trigeminal	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland
---------------	--------------------------	-----------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone	[ Fibro-Osseous Lesion TGLs = 9-18 ]	Fibro-Osseous Lesion	Moderate
* Brain		Mineral	Mild
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Harderian Gland		Adenoma	
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Adenocarcinoma	
	[ Adenocarcinoma TGLs = 3-14 ]		
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Interstitialium	Infarct	Mild
		Infiltration Cellular	Lymphocyte, Mild
	[ Infarct TGLs = 2-13 ]	Nephropathy	Chronicprogr, Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLs = 6-12, 7-12,8-12 ]	Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLs = 4-12, 5-12 ]		
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1112

ORGAN AND ACCOUNTABLE SITE STATUS

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Preputial Gland

Infiltration Cellular

Lymphocyte, Mild

\* Prostate

Infiltration Cellular

Lymphocyte, Mild

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Seminal Vesicle

Bilateral

Dilation

Mild

[ Dilation TGLs = 1-16 ]

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Thymus

Cyst

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1113

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Prostate                 |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

- |                 |                    |                     |
|-----------------|--------------------|---------------------|
| * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland |
|-----------------|--------------------|---------------------|

**INSUFFICIENT TISSUE**

- \* Thyroid Gland

**OBSERVATIONS**

- |                               |                                  |                              |                       |
|-------------------------------|----------------------------------|------------------------------|-----------------------|
| * Adrenal Cortex              | Subcapsular                      | Hyperplasia                  | Mild                  |
| * Brain                       |                                  | Mineral                      | Mild                  |
| * Harderian Gland             |                                  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney                      |                                  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                       |                                  | Basophilic Focus             |                       |
|                               |                                  | Clear Cell Focus             |                       |
|                               |                                  | Mixed Cell Focus             |                       |
|                               | [ Basophilic Focus TGLs = 1-12 ] |                              |                       |
|                               | [ Mixed Cell Focus TGLs = 2-12 ] |                              |                       |
| * Lung                        |                                  | Alveolar/Bronchiolar Adenoma |                       |
| * Pituitary Gland             |                                  |                              |                       |
| Note: Pars distalis examined. |                                  |                              |                       |
| * Preputial Gland             |                                  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Salivary Glands             |                                  | Infiltration Cellular        | Lymphocyte, Minimal   |
| Tooth                         |                                  | Dysplasia                    | Mild                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1114

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Brain           |  | Mineral                | Mild                  |
| * Kidney          | Interstitial                                       | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Hepatocellular Adenoma | Multiple              |
|                   | [ Clear Cell Focus TGLs = 5-12 ]                   |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-12 ] |                        |                       |
| Mesentery         | Fat  | Necrosis               | Mild                  |
|                   | [ Necrosis TGLs = 1-19 ]                           |                        |                       |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Urinary Bladder |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1115

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Esophagus                 | * Eye                    | * Gallbladder               | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular      |
| Testis                      | * Thymus                 | * Thyroid Gland             | * Trachea                 |

MISSING

- |                             |                 |                    |
|-----------------------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Nerve Trigeminal |
|-----------------------------|-----------------|--------------------|

OBSERVATIONS

- |                     |  |                        |                       |
|---------------------|--|------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular  | Hyperplasia            | Mild                  |
| * Brain             |  | Mineral                | Minimal               |
| * Epididymis        |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney            | Interstitium                                       | Infiltration Cellular  | Lymphocyte, Mild      |
|                     |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver             |  | Clear Cell Focus       |                       |
|                     |  | Fatty Change           | Minimal               |
|                     |  | Hepatoblastoma         |                       |
|                     |  | Hepatocellular Adenoma | Multiple              |
|                     | [ Hepatoblastoma TGLs = 3-21 ]                     |                        |                       |
|                     | [ Hepatocellular Adenoma TGLs = 1-12, 2-20, 4-12 ] |                        |                       |
| Lymph Node          | Iliac  | Hyperplasia            | Lymphoid, Mild        |
|                     | [ Hyperplasia TGLs = 5-19 ]                        |                        |                       |
| * Parathyroid Gland | Note: One parathyroid gland examined.              |                        |                       |
| * Preputial Gland   |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Urinary Bladder   |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1115

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1115

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 6 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1116

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Epididymis                | * Esophagus                | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Nose                     | * Pancreas                | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Seminal Vesicle           | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      | Testis                      |
| * Thymus                    | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- |                             |                 |                    |
|-----------------------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Nerve Trigeminal |
|-----------------------------|-----------------|--------------------|

OBSERVATIONS

- |  |                |                        |                       |
|--|----------------|------------------------|-----------------------|
| * Adrenal Cortex                       | Subcapsular    | Hyperplasia            | Mild                  |
| * Adren Medulla                        |                |                        |                       |
| Note: One adrenal medulla examined.    |                |                        |                       |
| * Brain                                |                | Mineral                | Minimal               |
| * Eye                                  |                | Atrophy                | Marked                |
| [ Atrophy TGLs = 3-5 ]                 |                |                        |                       |
| * Harderian Gland                      |                | Adenocarcinoma         |                       |
| [ Adenocarcinoma TGLs = 1-5 ]          |                |                        |                       |
| * Kidney                               |                | Nephropathy            | Chronicprogr, Minimal |
| * Liver                                |                | Hepatocellular Adenoma |                       |
| [ Hepatocellular Adenoma TGLs = 2-12 ] |                |                        |                       |
| * Lung                                 | Alveolar Epith | Hyperplasia            | Focal, Mild           |
|  |                | Infiltration Cellular  | Histiocyte, Minimal   |
| * Parathyroid GI                       |                |                        |                       |
| Note: One parathyroid gland examined.  |                |                        |                       |
| * Salivary Glands                      |                | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1117

TRT#: 5

SEX: Male

DAY ON TEST: 549

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Heart
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Brain
    - Carcinoma
    - Mineral
    - Metastatic (Pituitary Gland)
  - \* Eye
    - Inflammation
    - Mild
  - \* Harderian Gland
    - Infiltration Cellular
    - Acute, Moderate
  - \* Lymph Node, Mandibular
    - Infiltration Cellular
    - Lymphocyte, Minimal
  - \* Lymph Node, Mesenteric
    - Infiltration Cellular
    - Histiocyte, Moderate
  - \* Pituitary Gland
    - Pars Distalis
    - Carcinoma
- Note: One parathyroid gland evaluated.  
[ Carcinoma TGLs = 1-3 ]
- \* Preputial GI
    - Note: One preputial gland examined.

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1118

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skin
- Testis
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Kidney
- [ Infarct TGLs = 2-13 ]
- \* Liver
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Spleen
- [ Hemangiosarcoma TGLs = 1-12 ]
- \* Urinary Bladder
- Subcapsular
- Renal Tubule
- Interstitial
- Renal Tubule
- Hyperplasia
- Mineral
- Infiltration Cellular
- Cyst
- Infarct
- Infiltration Cellular
- Mineral
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Hemangiosarcoma
- Infiltration Cellular
- Mild
- Mild
- Lymphocyte, Mild
- Mild
- Lymphocyte, Minimal
- Minimal
- Chronicprogr, Minimal
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1119

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                      | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder           |                             |                          |                             |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                                  | Hyperplasia            | Minimal               |
| * Brain           |  | Mineral                | Minimal               |
| * Epididymis      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney          | Interstitium                                 | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Fatty Change           | Mild                  |
|                   |  | Hepatocellular Adenoma | Multiple              |
|                   | [ Hepatocellular Adenoma TGLs = 1-12, 2-12 ] |                        |                       |
| * Preputial Gland |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Thymus          |  | Cyst                   |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1120

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Epididymis
- \* Kidney
- \* Liver
- [ Clear Cell Focus TGLs = 3-12 ]
- [ Hepatoblastoma TGLs = 2-12 ]
- [ Hepatocellular Adenoma TGLs = 4-19 ]
- \* Lymph Node, Mesenteric
- Mesentery
- [ Necrosis TGLs = 1-6 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Salivary Glands
- \* Seminal Vesicle
- Tooth
- Interstitial
- Fat
- Bilateral
- Infiltration Cellular
- Infiltration Cellular
- Nephropathy
- Clear Cell Focus
- Hepatoblastoma
- Hepatocellular Adenoma
- Hemorrhage
- Necrosis
- Infiltration Cellular
- Dilation
- Dysplasia
- Lymphocyte, Minimal
- Lymphocyte, Minimal
- Chronicprogr, Mild
- Mild
- Mild
- Lymphocyte, Mild
- Mild
- Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1121

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Nose
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Minimal
- \* Brain Mineral Minimal
- \* Epididymis Infiltration Cellular Lymphocyte, Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Intestine Small, Ileum Peyers Patch Hyperplasia Lymphoid, Moderate
- \* Intestine Small, Jejunum Peyers Patch Hyperplasia Lymphoid, Marked
- [ Hyperplasia TGLs = 1-14 ]
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- Nephropathy Chronicprogr, Minimal
- \* Liver Hepatocellular Adenoma Multiple
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 4-12, 3-12 ]
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung Alveolar/Bronchiolar Adenoma
- \* Lymph Node, Mesenteric Hyperplasia Lymphoid, Mild
- \* Preputial Gland Infiltration Cellular Lymphocyte, Minimal
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Seminal Vesicle Bilateral Dilatation Mild

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1122

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- \* Epididymis                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Infarct                                      Minimal
- Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                                      Fatty Change                                      Mild
- Hepatocellular Adenoma                                      Multiple
- [ Clear Cell Focus    TGLs = 4-12 ]
- [ Hepatocellular Adenoma    TGLs = 3-12, 4-12 ]
- \* Parathyroid Gland                                      Note: One parathyroid gland examined.
- \* Preputial Gland                                      Duct                                      Dilatation                                      Moderate
- [ Dilatation    TGLs = 2-16 ]
- \* Salivary Glands                                      Infiltration Cellular                                      Lymphocyte, Minimal

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1123

TRT#: 5

SEX: Male

DAY ON TEST: 720

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adren Medulla
    - Note: One adrenal medulla examined.
  - \* Brain
  - \* Kidney
    - Interstitial
  - \* Liver
    - [ Hepatoblastoma TGLs = 5-22,4-12,6-12,8-20 ]
    - Lymph Node
      - [ Hepatoblastoma TGLs = 3-6, 7-19 ]
  - \* Lymph Node, Mesenteric
  - Mesentery
    - [ Hepatoblastoma TGLs = 10-21 ]
  - \* Parathyroid GI
    - Note: One parathyroid gland examined.
- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Mineral</li> <li>Infiltration Cellular</li> <li>Nephropathy</li> <li>Hepatoblastoma</li> </ul> | <ul style="list-style-type: none"> <li>Mild</li> <li>Lymphocyte, Minimal</li> <li>Chronicprogr, Mild</li> <li>Multiple</li> <li>Metastatic (Liver)</li> <li>Mild</li> <li>Metastatic (Liver)</li> <li>Metastatic (Liver)</li> </ul> |
|---|---|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1123

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 720

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1123

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Pituitary Gland

Note: Pars distalis examined.

\* Preputial Gland

Bilateral, Duct

Dilation

Moderate

Inflammation

Chronic Active, Moderate

[ Dilation TGLs = 2-16 ]

\* Skeletal Muscle

Hepatoblastoma

Metastatic (Liver)

\* Spleen

Extramedullary Hematopoiesis

Mild

[ Extramedullary Hematopoiesis TGLs = 9-12 ]

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

Animal Note: TGL 1 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1124

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skin
- Testis
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Bone Marrow Lymphoma Malignant
- \* Brain Mineral Mild
- \* Intestine Small, Ileum Lymphoma Malignant TGLs = 8-19 ] Lymphoma Malignant
- \* Kidney Infarct Mild
- Nephropathy TGLs = 4-13 ] Nephropathy Chronicprogr, Minimal
- \* Liver Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 6-12 ]
- \* Lung Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 5-10 ]
- \* Lymph Node, Mesenteric Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 1-14, 1-15 ]
- Mesentery Lymphoma Malignant
- Fat Necrosis Moderate
- [ Lymphoma Malignant TGLs = 7-6 ]
- [ Necrosis TGLs = 7-6 ]
- \* Peripheral Nerve, Sciatic Axon Degeneration Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1124

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 674

**DOSE:** 5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1124

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Preputial Gland

Lymphoma Malignant

\* Seminal Vesicle

Bilateral

Dilation

Mild

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 3-12 ]

---

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

---

Animal Note: TGL 2 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1127

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Brain
  - \* Kidney
  - \* Liver
  - \* Lung
  - \* Lymph Node, Mesenteric
  - \* Preputial Gland
  - \* Salivary Glands
  - \* Spleen
- [ Hepatoblastoma TGLs = 2-19 ]
- [ Hepatocellular Adenoma TGLs = 4-12 ]
- [ Hepatocellular Carcinoma TGLs = 3-12, 5-12 ]
- [ Hepatoblastoma TGLs = 6-10 ]
- [ Extramedullary Hematopoiesis TGLs = 1-12 ]

Interstitialium

Mineral  
 Infiltration Cellular  
 Nephropathy  
 Hepatoblastoma  
 Hepatocellular Adenoma  
 Hepatocellular Carcinoma  
 Hemorrhage  
 Dilation  
 Infiltration Cellular  
 Infiltration Cellular  
 Extramedullary Hematopoiesis

Mild  
 Lymphocyte, Minimal  
 Chronicprogr, Mild  
 Multiple  
 Metastatic (Liver)  
 Metastatic (Liver)  
 Mild  
 Moderate  
 Lymphocyte, Mild  
 Lymphocyte, Minimal  
 Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1127

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1127

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1128

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1128

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Nose                   | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands           | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

**MISSING**

- |                 |                    |                     |
|-----------------|--------------------|---------------------|
| * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland |
|-----------------|--------------------|---------------------|

**OBSERVATIONS**

- |                          |  |                              |                       |
|--------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia                  | Minimal               |
| * Brain                  |  | Mineral                      | Mild                  |
| * Harderian Gland        |  | Infiltration Cellular        | Lymphocyte, Mild      |
| * Kidney                 |  | Infarct                      | Minimal               |
|                          | Interstitium                             | Infiltration Cellular        | Lymphocyte, Minimal   |
|                          |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                  |  | Eosinophilic Focus           |                       |
|                          |  | Hepatocellular Carcinoma     |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 1-19 ] |                              |                       |
| * Lung                   |  | Hepatocellular Carcinoma     | Metastatic (Liver)    |
| * Lymph Node, Mesenteric |  | Hyperplasia                  | Lymphoid, Mild        |
| * Spleen                 |  | Extramedullary Hematopoiesis | Mild                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1129

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Spleen
--------------------------	-----------------	---------------------	----------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney	Renal Tubule	Cyst	
	Interstitial	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1130

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1130

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thymus                    | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                             |                           |

**MISSING**

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

**OBSERVATIONS**

- |                                       |                     |                        |                       |
|---------------------------------------|---------------------|------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular         | Hyperplasia            | Mild                  |
| * Brain                               |                     | Mineral                | Minimal               |
| * Epididymis                          |                     | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland                     |                     | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney                              | Interstitial        | Infiltration Cellular  | Lymphocyte, Minimal   |
|                                       |                     | Nephropathy            | Chronicprogr, Minimal |
| * Liver                               |                     | Clear Cell Focus       |                       |
|                                       |                     | Fatty Change           | Mild                  |
|                                       |                     | Hepatocellular Adenoma |                       |
| [ Clear Cell Focus                    | TGLs = 2-12, 3-12 ] |                        |                       |
| [ Hepatocellular Adenoma              | TGLs = 1-12 ]       |                        |                       |
| * Parathyroid GI                      |                     |                        |                       |
| Note: One parathyroid gland examined. |                     |                        |                       |
| * Salivary Glands                     |                     | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1131

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular Adenoma
  - Subcapsular Hyperplasia Mild
  - [ Adenoma TGLs = 1-7 ]
- \* Brain
  - Mineral Minimal
- \* Kidney
  - Interstitial Infiltration Cellular Lymphocyte, Minimal
  - Nephropathy Chronicprogr, Mild
- \* Liver
  - Hepatocellular Adenoma TGLs = 2-12, 3-19, 4-12 ] Hepatocellular Adenoma Multiple
- \* Salivary Glands
  - Infiltration Cellular Lymphocyte, Minimal

Animal Note: TGL 5 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1132

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spleen
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Testis
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Nephropathy                              Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus                              Fatty Change                              Mild
- Hepatocellular Adenoma                      Hepatocellular Adenoma                      Multiple
- [ Clear Cell Focus    TGLs = 5-12, 6-12 ]
- [ Hepatocellular Adenoma    TGLs = 2-12, 3-20, 4-20 ]
- \* Lung                                      Alveolar/Bronchiolar Carcinoma                      Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 7-19 ]
- \* Preputial Gland                      Infiltration Cellular                      Lymphocyte, Mild
- \* Seminal Vesicle                      Bilateral                                      Dilatation                                      Moderate
- [ Dilatation    TGLs = 1-16 ]
- \* Stomach, Glandular                      Mineral                                      Minimal
- Tooth                                      Dysplasia                                      Moderate
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1133

TRT#: 5

SEX: Male

DAY ON TEST: 559

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nose
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Islets, Pancreatic
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Pancreas

OBSERVATIONS

- \* Kidney Nephropathy Chronicprogr, Minimal
- \* Liver Hepatocellular Carcinoma
- [ Hepatocellular Carcinoma TGLs = 2-12 ]
- \* Lung Congestion Moderate
- [ Congestion TGLs = 3-10 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Seminal Vesicle Bilateral Dilation Moderate
- [ Dilation TGLs = 1-16 ]
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1135

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1135

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lymph Node, Mandibular    | * Nose                   | * Pancreas                 | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland        | * Seminal Vesicle          | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord            | * Spleen                   | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                   | * Thymus                   | * Thyroid Gland             |
| * Trachea                   |                          |                            |                             |

**MISSING**

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

**INSUFFICIENT TISSUE**

- \* Parathyroid Gland

**OBSERVATIONS**

- |                          |  |                          |                       |
|--------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia              | Minimal               |
| * Brain                  |  | Mineral                  | Minimal               |
| * Epididymis             |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Harderian Gland        |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Kidney                 | Interstitialium                          | Infiltration Cellular    | Lymphocyte, Mild      |
|                          |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Carcinoma |                       |
|                          | [ Hepatocellular Carcinoma TGLs = 1-12 ] |                          |                       |
| * Lung                   |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Lymph Node, Mesenteric |  | Hemorrhage               | Mild                  |
| * Prostate               |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Salivary Glands        |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Urinary Bladder        |  | Infiltration Cellular    | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1136

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Minimal
- \* Kidney                                      Interstitium                      Infiltration Cellular              Lymphocyte, Mild
- Nephropathy                      Chronicprogr, Minimal
- \* Liver                                      Clear Cell Focus                      Hepatocellular Adenoma              Multiple
- [ Hepatocellular Adenoma    TGLs = 2-19, 3-12 ]
- \* Lung                                      Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 4-10 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Preputial Gland                      Infiltration Cellular              Lymphocyte, Mild
- \* Salivary Glands                      Infiltration Cellular              Lymphocyte, Minimal
- \* Seminal Vesicle                      Bilateral                              Dilation                              Mild
- Testis                                  Germ Cell                              Degeneration                      Moderate
- Tooth                                      Dysplasia                              Mild

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1137

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                             |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow               |
| * Brain                    | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 |
| * Eye                      | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular    |
| * Nose                     | * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland          | * Preputial Gland           | * Prostate                  | * Salivary Glands           |
| * Seminal Vesicle          | * Skeletal Muscle           | * Skin                      | * Spinal Cord               |
| * Spleen                   | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                      |
| * Thymus                   | * Thyroid Gland             | * Trachea                   | * Urinary Bladder           |

MISSING

- |               |                          |                 |                    |
|---------------|--------------------------|-----------------|--------------------|
| * Gallbladder | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
|---------------|--------------------------|-----------------|--------------------|

OBSERVATIONS

- |                  |             |                        |                       |
|------------------|-------------|------------------------|-----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia            | Mild                  |
| * Kidney         |             | Hyperplasia            | Focal, Moderate       |
| * Liver          |             | Nephropathy            | Chronicprogr, Minimal |
|                  |             | Clear Cell Focus       |                       |
|                  |             | Fatty Change           | Mild                  |
|                  |             | Hepatocellular Adenoma | Multiple              |

[ Clear Cell Focus TGLs = 1-19 ]

[ Hepatocellular Adenoma TGLs = 2-19, 3-12 ]

\* Parathyroid GI

Note: One parathyroid gland examined.

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1139

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex            | * Adrenal Medulla           | * Aorta                  | * Bone                     |
| * Bone Marrow               | * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      |
| * Gallbladder               | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                   | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   | * Thyroid Gland            |
| * Trachea                   |                             |                          |                            |

MISSING

- |                 |                     |          |
|-----------------|---------------------|----------|
| * Mammary Gland | * Parathyroid Gland | * Thymus |
|-----------------|---------------------|----------|

OBSERVATIONS

- |                                     |        |                       |                          |
|-------------------------------------|--------|-----------------------|--------------------------|
| * Brain                             |        | Mineral               | Mild                     |
| * Epididymis                        | Artery | Inflammation          | Chronic, Moderate        |
| * Harderian GI                      |        |                       |                          |
| Note: One Harderian gland examined. |        |                       |                          |
| * Heart                             | Artery | Inflammation          | Chronic Active, Moderate |
|                                     |        | Inflammation          | Chronic Active, Mild     |
| * Kidney                            |        | Nephropathy           | Chronicprogr, Mild       |
| Lymph Node                          | Iliac  | Hyperplasia           | Lymphoid, Mild           |
| * Salivary Glands                   |        | Infiltration Cellular | Lymphocyte, Minimal      |
| * Spinal Cord                       |        | Necrosis              | Mild                     |
| * Urinary Bladder                   |        | Infiltration Cellular | Lymphocyte, Minimal      |

Animal Note: TGLs 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1140

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                   |                          |
|-----------------------------|-----------------------------|-------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone            | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus       | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart           | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Islets, Pancreatic        | * Lung            | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose            | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate               |
| * Seminal Vesicle           | * Skeletal Muscle           | * Spinal Cord     | * Stomach, Glandular     |
| Testis                      | * Thymus                    | * Thyroid Gland   | * Trachea                |

MISSING

- |                             |                 |
|-----------------------------|-----------------|
| * Intestine Small, Duodenum | * Mammary Gland |
|-----------------------------|-----------------|

AUTO PRECLUDES DIAG.

- |                          |                          |                            |                        |
|--------------------------|--------------------------|----------------------------|------------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Stomach, Forestomach |
|--------------------------|--------------------------|----------------------------|------------------------|

OBSERVATIONS

- |                     |  |                                |                       |
|---------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular                                    | Hyperplasia                    | Minimal               |
| * Brain             |  | Mineral                        | Minimal               |
| * Kidney            | Interstitial                                   | Infiltration Cellular          | Lymphocyte, Mild      |
|                     | Renal Tubule                                   | Mineral                        | Minimal               |
|                     |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver             |  | Hepatocellular Carcinoma       |                       |
|                     |  | Necrosis                       | Moderate              |
|                     | [ Hepatocellular Carcinoma TGLs = 2-12 ]       |                                |                       |
| * Parathyroid Gland |  |                                |                       |
|                     | Note: One parathyroid examined.                |                                |                       |
| * Preputial Gland   |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Salivary Glands   |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Skin              | Subcut Tiss                                    | Malignant Fibrous Histiocytoma |                       |
|                     |  | Ulcer                          | Marked                |
|                     | [ Malignant Fibrous Histiocytoma TGLs = 1-19 ] |                                |                       |
|                     | [ Ulcer TGLs = 1-19 ]                          |                                |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1140

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 689

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1140

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

---

Animal Note: TGL 3 = NST; TGLs 4 & 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1141

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Prostate
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- \* Epididymis                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Intestine Large, Cecum                      Adenoma
- [ Adenoma    TGLs = 4-19 ]
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Hepatocellular Adenoma                      Multiple
- [ Hepatocellular Adenoma    TGLs = 1-12, 2-12, 3-12 ]
- \* Parathyroid Gland                                      Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular                      Lymphocyte, Minimal
- Testis    Germ Cell                                      Degeneration                                      Mild
- \* Thyroid Gland                                      Note: One thyroid gland examined.
- Tooth    Dysplasia                                      Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Aorta	* Bone
* Bone Marrow	* Brain	* Brain Trigeminal Ganglion	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
Testis	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
-----------------	--------------------	---------------------

OBSERVATIONS

* Adren Medulla			
Note: One adrenal medulla examined.			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Interstitialium	Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Osseous
		Nephropathy	Chronicprogr, Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
[ Eosinophilic Focus TGLs = 3-12 ]			
[ Fatty Change TGLs = 2-12 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Lymphocyte, Mild
[ Alveolar/Bronchiolar Carcinoma TGLs = 4-19 ]			
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Mild
[ Dilation TGLs = 1-16 ]			
* Stomach, Glandular		Mineral	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1142

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1142

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1143

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                      |                     |                             |
|----------------------|----------------------|---------------------|-----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla    | * Aorta             | * Bone                      |
| * Bone Marrow        | * Epididymis         | * Esophagus         | * Eye                       |
| * Harderian Gland    | * Islets, Pancreatic | * Kidney            | * Lymph Node, Mandibular    |
| * Nose               | * Pancreas           | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland    | * Prostate           | * Salivary Glands   | * Seminal Vesicle           |
| * Skeletal Muscle    | * Skin               | * Spinal Cord       | * Stomach, Forestomach      |
| * Stomach, Glandular | Testis               | * Thyroid Gland     | * Trachea                   |

MISSING

- |                             |               |                 |                    |
|-----------------------------|---------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
|-----------------------------|---------------|-----------------|--------------------|

AUTO PRECLUDES DIAG.

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Preputial Gland         | * Spleen                    |

OBSERVATIONS

- |  |                          |                     |
|--|--------------------------|---------------------|
| * Brain  | Mineral                  | Minimal             |
| * Heart  | Cardiomyopathy           | Mild                |
| * Liver  | Hepatocellular Adenoma   |                     |
|  | Hepatocellular Carcinoma | Multiple            |
| [ Hepatocellular Carcinoma TGLs = 3-12, 4-12, 5-19 ] |                          |                     |
| * Lung   | Hepatocellular Carcinoma | Metastatic (Liver)  |
| [ Hepatocellular Carcinoma TGLs = 1-10 ]             |                          |                     |
| * Lymph Node, Mesenteric                             | Hemorrhage               | Moderate            |
| * Parathyroid Gland                                  |                          |                     |
| Note: One parathyroid gland examined.                |                          |                     |
| * Thymus   | Atrophy                  | Marked              |
| * Urinary Bladder                                    | Infiltration Cellular    | Lymphocyte, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 2 = NST; TGL 6 = NST

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1144

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spleen
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- Testis

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Minimal
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Mild
- \* Harderian Gland                              Infiltration Cellular                      Lymphocyte, Mild
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Minimal
- Renal Tubule                              Mineral                                      Minimal
- Nephropathy                              Chronicprogr, Minimal
- \* Liver    Hepatocellular Adenoma                      Multiple
- [ Hepatocellular Adenoma    TGLs = 3-21, 4-12, 5-21 ]
- \* Lung    Alveolar/Bronchiolar Adenoma                      Multiple
- [ Alveolar/Bronchiolar Adenoma    TGLs = 6-10 ]
- Lymph Node                                      Iliac    Hyperplasia                              Lymphoid, Mild
- Iliac    Pigment                                      Mild
- [ Hyperplasia    TGLs = 2-19 ]
- [ Pigment    TGLs = 1-19 ]
- \* Preputial Gland                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Skin    Subcut Tiss                                      Lipoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1144

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Lipoma TGLs = 7-20 ]

Tooth

Dysplasia

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1145

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal         | * Nose                    |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 | * Seminal Vesicle         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                             |  |                              |                       |
|-----------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex            | Subcapsular                                    | Hyperplasia                  | Mild                  |
| * Brain                     |  | Mineral                      | Mild                  |
| * Epididymis                |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Harderian Gland           |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney                    | Interstitium                                   | Infiltration Cellular        | Lymphocyte, Mild      |
|                             |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                     |  | Hepatoblastoma               |                       |
|                             |  | Hepatocellular Carcinoma     | Multiple              |
|                             | [ Hepatoblastoma TGLs = 4-12 ]                 |                              |                       |
|                             | [ Hepatocellular Carcinoma TGLs = 3-12, 5-12 ] |                              |                       |
| * Lung                      |  | Alveolar/Bronchiolar Adenoma |                       |
|                             | [ Alveolar/Bronchiolar Adenoma TGLs = 8-10 ]   |                              |                       |
| Lymph Node                  | Iliac  | Hyperplasia                  | Lymphoid, Mild        |
|                             | Iliac  | Pigment                      | Mild                  |
|                             | [ Hyperplasia TGLs = 7-19 ]                    |                              |                       |
|                             | [ Pigment TGLs = 6-19 ]                        |                              |                       |
| * Pancreas                  |  | Infiltration Cellular        | Lymphocyte, Mild      |
| * Peripheral Nerve, Sciatic | Axon   | Degeneration                 | Minimal               |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1145

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1145

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Preputial Gland [ Dilation TGLs = 1-16 ]	Duct	Dilation	Moderate
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Minimal
		Hyperplasia	Lymphoid, Mild
[ Extramedullary Hematopoiesis [ Hyperplasia TGLs = 2-12 ]	TGLs = 2-12 ]		

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1146

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Nerve Trigeminal
-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Angiectasis	Moderate
		Hemangiosarcoma	
		Hepatocellular Adenoma	
	[ Angiectasis TGLs = 8-21 ]		
	[ Hemangiosarcoma TGLs = 3-12, 4-12, 6-12, 5-20 ]		
	[ Hepatocellular Adenoma TGLs = 7-19 ]		
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Bilateral	Dilation	Moderate
* Spleen		Extramedullary Hematopoiesis	Moderate
	[ Extramedullary Hematopoiesis TGLs = 2-12 ]		
* Thymus		Cyst	

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1147

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                 | * Eye                     |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle           | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular      |
| Testis                      | * Thyroid Gland          | * Trachea                   |                           |

MISSING

- |               |                 |                    |
|---------------|-----------------|--------------------|
| * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
|---------------|-----------------|--------------------|

OBSERVATIONS

- |                     |  |                        |                       |
|---------------------|--|------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain             |  | Mineral                | Mild                  |
| * Harderian Gland   |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Kidney            |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver             |  | Hepatoblastoma         |                       |
|                     |  | Hepatocellular Adenoma |                       |
|                     | [ Hepatoblastoma TGLs = 2-12 ]         |                        |                       |
|                     | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                       |
| * Parathyroid Gland | Note: One parathyroid gland examined.  |                        |                       |
| * Preputial Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Thymus            |  | Cyst                   |                       |
| Tooth               |  | Dysplasia              | Mild                  |
| * Urinary Bladder   |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1148

TRT#: 5

SEX: Male

DAY ON TEST: 588

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Nose
- \* Preputial Gland
- \* Spinal Cord
- \* Trachea

MISSING

- \* Intestine Large, Colon
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
  - Histiocytic Sarcoma
  - Hyperplasia
  - Minimal
- \* Epididymis
- \* Kidney
  - Bilateral
  - Bilateral
  - Bacteria
  - Inflammation
  - Acute, Moderate
- \* Liver
  - [ Inflammation TGLs = 8-13 ]
  - [ Hepatocellular Carcinoma TGLs = 10-12, 11-12, 12-20 ]
  - Hepatocellular Carcinoma
  - Histiocytic Sarcoma
- \* Lung
  - [ Alveolar/Bronchiolar Carcinoma TGLs = 6-19 ]
  - Alveolar/Bronchiolar Carcinoma
- \* Lymph Node, Mesenteric
  - [ Histiocytic Sarcoma TGLs = 7-15 ]
  - Histiocytic Sarcoma
- Mesentery
  - Fat
  - [ Histiocytic Sarcoma TGLs = 2-21, 3-22 ]
  - Histiocytic Sarcoma
- \* Pancreas
  - Histiocytic Sarcoma
- \* Parathyroid GI
  - Note: One parathyroid examined.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1148

TRT#: 5

SEX: Male

DAY ON TEST: 588

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1148

ORGAN AND ACCOUNTABLE SITE STATUS

\* Pituitary Gl

Note: Pars distalis examined

\* Prostate

Histiocytic Sarcoma

Inflammation

Acute, Mild

\* Seminal Vesicle

Bilateral

Dilation

Moderate

Histiocytic Sarcoma

[ Dilation TGLs = 4-16 ]

\* Spleen

Histiocytic Sarcoma

Testis

Histiocytic Sarcoma

\* Thymus

Atrophy

Moderate

[ Atrophy TGLs = 9-6 ]

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 1, 5, 13, & 14 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1149

TRT#: 5

SEX: Male

DAY ON TEST: 628

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Kidney
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Lung
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Harderian Gland
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Esophagus
- \* Mammary Gland
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Islets, Pancreatic                      Hyperplasia                                      Mild
- \* Liver                                      Fatty Change                                      Mild
- \* Salivary Glands                                      Infiltration Cellular                                      Lymphocyte, Minimal
- \* Seminal Vesicle                      Bilateral                                      Dilation                                      Moderate
- [ Dilation    TGLs = 1-16 ]
- \* Thymus                                      Atrophy                                      Moderate

PRIMARY CAUSE OF DEATH                      - UNCERTAIN

Animal Note: TGLs 2-4 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1150

TRT#: 5

SEX: Male

DAY ON TEST: 738

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland           | * Prostate               | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                      | * Thymus                 | * Thyroid Gland             |
| * Trachea                   |                             |                          |                             |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                                       |                                 |                       |                       |
|---------------------------------------|---------------------------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular                     | Hyperplasia           | Mild                  |
| * Brain                               |                                 | Mineral               | Mild                  |
| * Harderian Gland                     |                                 | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                              | Interstitium                    | Infiltration Cellular | Lymphocyte, Mild      |
|                                       |                                 | Nephropathy           | Chronicprogr, Minimal |
| * Liver                               |                                 | Clear Cell Focus      |                       |
|                                       |                                 | Hemangiosarcoma       |                       |
|                                       | [ Hemangiosarcoma TGLs = 4-12 ] |                       |                       |
| Mesentery                             | Fat                             | Necrosis              | Moderate              |
|                                       | [ Necrosis TGLs = 3-6 ]         |                       |                       |
| * Parathyroid GI                      |                                 |                       |                       |
| Note: One parathyroid gland examined. |                                 |                       |                       |
| * Salivary Glands                     |                                 | Infiltration Cellular | Lymphocyte, Mild      |
| * Seminal Vesicle                     | Bilateral                       | Dilation              | Moderate              |
|                                       | [ Dilation TGLs = 2-16 ]        |                       |                       |
| * Urinary Bladder                     |                                 | Infiltration Cellular | Lymphocyte, Mild      |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1151

TRT#: 5

SEX: Male

DAY ON TEST: 585

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Islets, Pancreatic                      Hyperplasia                                      Mild
- \* Kidney                                      Renal Tubule                                      Cyst
- \* Liver    Fatty Change                                      Mild
- \* Parathyroid Gland
- Note: One parathyroid examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Seminal Vesicle                                      Bilateral                                      Dilation                                      Mild
- [ Dilation    TGLs = 1-16 ]

PRIMARY CAUSE OF DEATH                      - UNCERTAIN

Animal Note: TGLs 2-5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1153

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1153

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                             |                          |                          |
|-----------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Lung                      | * Lymph Node, Mandibular    | * Nose                   | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Preputial Gland        |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                   |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                   |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                          |

**MISSING**

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

**OBSERVATIONS**

- |                                       |  |                          |                       |
|---------------------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia              | Mild                  |
| * Brain                               |  | Mineral                  | Mild                  |
| * Epididymis                          |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Intestine Small, Jejunum            | Peyers Patch   | Hyperplasia              | Lymphoid, Marked      |
|                                       | [ Hyperplasia TGLs = 8-19 ]                              |                          |                       |
| * Kidney                              | Interstitium   | Infarct                  | Minimal               |
|                                       |  | Infiltration Cellular    | Lymphocyte, Minimal   |
|                                       |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                               |  | Hepatocellular Adenoma   | Multiple              |
|                                       |  | Hepatocellular Carcinoma |                       |
|                                       | [ Hepatocellular Adenoma TGLs = 3-12, 4-12, 5-12, 6-12 ] |                          |                       |
|                                       | [ Hepatocellular Carcinoma TGLs = 7-12 ]                 |                          |                       |
| * Lymph Node, Mesenteric              |  | Hyperplasia              | Lymphoid, Minimal     |
|                                       |  | Infiltration Cellular    | Histiocyte, Minimal   |
|                                       | [ Hyperplasia TGLs = 1-15 ]                              |                          |                       |
|                                       | [ Infiltration Cellular TGLs = 1-15 ]                    |                          |                       |
| * Parathyroid GI                      |  |                          |                       |
| Note: One parathyroid gland examined. |  |                          |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1153

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1153

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Spleen

Extramedullary Hematopoiesis

Mild

Tooth

Dysplasia

Moderate

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1154

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                      |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular        |
| Testis                      | * Thymus                    | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder           |                             |                          |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                       |  |  |                             |
|---------------------------------------|--|--|-----------------------------|
| * Adrenal Cortex                      | Bilateral, Subcapsular<br>Subcapsular                                  | Adenoma<br>Hyperplasia<br>Hyperplasia    | Minimal<br>Focal, Moderate  |
| * Brain                               |  | Mineral                                  | Minimal                     |
| * Epididymis                          |  | Granuloma Sperm<br>Infiltration Cellular | Mild<br>Lymphocyte, Minimal |
| * Kidney                              |  | Nephropathy                              | Chronicprogr, Minimal       |
| * Liver                               |  | Fatty Change<br>Hepatocellular Adenoma   | Moderate                    |
|                                       | [ Fatty Change TGLs = 3-12 ]<br>[ Hepatocellular Adenoma TGLs = 2-12 ] |  |                             |
| * Lung                                |  | Alveolar/Bronchiolar Adenoma             |                             |
| Mesentery                             | Fat  | Necrosis                                 | Moderate                    |
|                                       | [ Necrosis TGLs = 1-6 ]  |  |                             |
| * Parathyroid GI                      |  |  |                             |
| Note: One parathyroid gland examined. |  |  |                             |
| * Preputial Gland                     |  | Infiltration Cellular                    | Lymphocyte, Minimal         |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1154

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1154

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Prostate

Infiltration Cellular

Lymphocyte, Minimal

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Thyroid GI

Note: One thyroid gland examined.

Tooth

Dysplasia

Mild

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCMDA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1155

**TRT#:** 5  
**DOSE:** 5 W/kg

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 733  
**HISTO:** 12-5117-1155

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Nose	* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
Testis	* Thyroid Gland	* Trachea	

**MISSING**

* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
-----------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
	[ Clear Cell Focus TGLs = 5-12, 7-12 ]		
	[ Hepatocellular Adenoma TGLs = 4-19, 6-19 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLs = 8-10 ]		
Lymph Node		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 3-20 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle	Bilateral	Dilation	Mild
	[ Dilation TGLs = 1-16 ]		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1155

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1155

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Cyst

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGLs 2 & 9 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1261

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                          |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                    | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              |
| * Eye                      | * Gallbladder               | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                 | * Salivary Glands           | * Seminal Vesicle           | * Skeletal Muscle        |
| * Skin                     | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | Testis                      | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                             |                             |                          |

MISSING

- |                          |                 |                    |
|--------------------------|-----------------|--------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
|--------------------------|-----------------|--------------------|

OBSERVATIONS

- |                          |  |                                |                          |
|--------------------------|--|--------------------------------|--------------------------|
| * Adrenal Cortex         | Subcapsular                                    | Hyperplasia                    | Mild                     |
| * Heart                  | Myocardium                                     | Infiltration Cellular          | Lymphocyte, Minimal      |
| * Kidney                 | Interstitium                                   | Infiltration Cellular          | Lymphocyte, Minimal      |
|                          |  | Nephropathy                    | Chronicprogr, Minimal    |
| * Liver                  |  | Hepatocellular Adenoma         |                          |
|                          |  | Necrosis                       | Mild                     |
|                          | [ Hepatocellular Adenoma TGLs = 3-12 ]         |                                |                          |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                          |
|                          |  | Infiltration Cellular          | Mononuclear CI, Moderate |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-10 ] |                                |                          |
|                          | [ Infiltration Cellular TGLs = 5-10 ]          |                                |                          |
| * Lymph Node, Mesenteric |  | Erythrophagocytosis            | Mild                     |
|                          | [ Erythrophagocytosis TGLs = 1-15, 2-15 ]      |                                |                          |
| * Parathyroid GI         |  |                                |                          |
|                          | Note: One parathyroid gland examined.          |                                |                          |
| * Thymus                 |  | Cyst                           |                          |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1262

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined.
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
  - Infiltration Cellular
  - Hyperplasia
  - Cyst
  - Infiltration Cellular
  - Nephropathy
- \* Harderian Gland
  - Minimal
  - Lymphocyte, Minimal
  - Mild
- \* Islets, Pancreatic
- \* Kidney
  - Renal Tubule
  - Interstitialium
- \* Liver
  - [ Cyst TGLs = 1-19 ]
  - Clear Cell Focus
  - Hepatocellular Adenoma
  - Multiple
- \* Lung
  - [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-20 ]
  - Infiltration Cellular
  - Mononuclear CI, Moderate
- \* Preputial Gland
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Tooth
  - Dysplasia
  - Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1263

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Epididymis                | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate               | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thyroid Gland             | * Trachea                |                            |

MISSING

- |                             |                          |                 |                    |
|-----------------------------|--------------------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
|-----------------------------|--------------------------|-----------------|--------------------|

OBSERVATIONS

- |                                     |  |                        |                       |
|-------------------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex                    | Subcapsular                                  | Hyperplasia            | Mild                  |
| * Adren Medulla                     |  |                        |                       |
| Note: One adrenal medulla examined. |  |                        |                       |
| * Brain                             |  | Mineral                | Mild                  |
| * Islets, Pancreatic                |  | Hyperplasia            | Mild                  |
| * Kidney                            |  | Metaplasia             | Osseous               |
|                                     |  | Nephropathy            | Chronicprogr, Minimal |
|                                     | [ Metaplasia TGLs = 3-13 ]                   |                        |                       |
| * Liver                             |  | Fatty Change           | Mild                  |
|                                     |  | Hepatocellular Adenoma | Multiple              |
|                                     |  | Inflammation           | Focal, Minimal        |
|                                     | [ Hepatocellular Adenoma TGLs = 5-12, 6-12 ] |                        |                       |
| * Lymph Node, Mesenteric            |  | Hemorrhage             | Minimal               |
| * Parathyroid Gland                 |  |                        |                       |
| Note: Parathyroid gland examined.   |  |                        |                       |
| * Preputial Gland                   |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Salivary Glands                   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Seminal Vesicle                   | Bilateral                                    | Dilation               | Mild                  |
|                                     | [ Dilation TGLs = 2-16 ]                     |                        |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1263

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1263

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Testis	Germ Cell	Degeneration	Minimal
* Thymus		Cyst	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

---

Animal Note: TGLs 1 & 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1264

TRT#: 7

SEX: Male

DAY ON TEST: 605

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                      |               |                          |
|-----------------------------|----------------------|---------------|--------------------------|
| * Adrenal Medulla           | * Aorta              | * Bone        | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis         | * Esophagus   | * Eye                    |
| * Heart                     | * Islets, Pancreatic | * Lung        | * Lymph Node, Mandibular |
| * Nerve Trigeminal          | * Nose               | * Pancreas    | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Preputial Gland    | * Prostate    | * Seminal Vesicle        |
| * Skeletal Muscle           | * Skin               | * Spinal Cord | Testis                   |
| * Thyroid Gland             | * Trachea            |               |                          |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Spleen |
|-----------------|----------|

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Urinary Bladder        |                            |                           |

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                                |  |                          |                     |
|--------------------------------|--|--------------------------|---------------------|
| * Adrenal Cortex               | Subcapsular                              | Hyperplasia              | Mild                |
| * Brain                        |  | Mineral                  | Mild                |
| * Harderian Gland              |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Kidney                       | Interstitium                             | Inflammation             | Acute, Minimal      |
|                                | Pelvis                                   | Inflammation             | Acute, Mild         |
| * Liver                        |  | Fatty Change             | Mild                |
|                                |  | Hepatocellular Carcinoma |                     |
|                                |  | Necrosis                 | Mild                |
|                                | [ Hepatocellular Carcinoma TGLs = 2-19 ] |                          |                     |
| * Lymph Node, Mesenteric       |  | Hemorrhage               | Marked              |
| * Parathyroid GI               |  |                          |                     |
| Note: One parathyroid examined |  |                          |                     |
| * Salivary Glands              |  | Infiltration Cellular    | Lymphocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1264

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 605

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1264

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Marked

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

---

Animal Note: TGLs 1 & 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1265

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Prostate
- \* Spleen
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Mild
- \* Epididymis Infiltration Cellular Lymphocyte, Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Kidney Nephropathy Chronicprogr, Minimal
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 1-12, 2-12 ]
- Lymph Node Iliac Infiltration Cellular Histiocyte, Mild
- Iliac Pigment Mild
- [ Infiltration Cellular TGLs = 4-20 ]
- [ Pigment TGLs = 5-20 ]
- \* Preputial Gland Infiltration Cellular Lymphocyte, Minimal
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Skeletal Muscle Infiltration Cellular Lymphocyte, Minimal
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1267

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Brain
  - \* Kidney
  - \* Liver
  - [ Hepatocellular Adenoma TGLs = 2-12, 3-12 ]
  - \* Lymph Node, Mesenteric
  - Mesentery
  - [ Necrosis TGLs = 1-6 ]
  - \* Preputial Gland
  - Note: One preputial gland examined.
  - \* Urinary Bladder
- Mineral
- Infiltration Cellular
- Nephropathy
- Clear Cell Focus
- Hepatocellular Adenoma
- Infiltration Cellular
- Necrosis
- Infiltration Cellular
- Infiltration Cellular
- Minimal
- Lymphocyte, Minimal
- Chronicprogr, Minimal
- Multiple
- Histiocyte, Moderate
- Moderate
- Lymphocyte, Minimal
- Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1268

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thymus	* Thyroid Gland
* Trachea			

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Nerve Trigeminal
--------------------------	-----------------	--------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain	Artery, Meninges	Inflammation	Chronic Active, Minimal
		Mineral	Minimal
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Renal Tubule	Cyst	
		Nephropathy	Chronicprogr, Minimal
	[ Cyst TGLs = 4-13 ]		
* Liver		Hepatocellular Carcinoma	Multiple
	[ Hepatocellular Carcinoma TGLs = 2-12, 3-12 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Parathyroid GI			
	Note: One parathyroid gland examined.		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Spinal Cord	Artery, Meninges	Inflammation	Chronic Active, Minimal
* Spleen		Extramedullary Hematopoiesis	Mild
	[ Extramedullary Hematopoiesis TGLs = 1-20RT ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1270

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1270

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Preputial Gland

Infiltration Cellular

Lymphocyte, Mild

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Thymus

Cyst

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1272

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                           |                             |
|-----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum    | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Islets, Pancreatic     | * Lung                    | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal       | * Nose                    | * Pancreas                  |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle           | * Skeletal Muscle        | * Spinal Cord             | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                   | * Thyroid Gland           | * Trachea                   |

MISSING

- |                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- |                                 |              |                              |                       |
|---------------------------------|--------------|------------------------------|-----------------------|
| * Adrenal Cortex                | Subcapsular  | Hyperplasia                  | Mild                  |
| * Brain                         |              | Mineral                      | Mild                  |
| * Epididymis                    |              | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Harderian Gland               |              | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Heart                         |              | Cardiomyopathy               | Minimal               |
| * Intestine Small, Jejunum      |              | Adenocarcinoma               |                       |
| [ Adenocarcinoma TGLs = 5-14 ]  |              |                              |                       |
| * Kidney                        | Interstitial | Infiltration Cellular        | Lymphocyte, Minimal   |
|                                 |              | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                         |              | Hemangiosarcoma              |                       |
|                                 |              | Necrosis                     | Mild                  |
| [ Hemangiosarcoma TGLs = 6-20 ] |              |                              |                       |
| Lymph Node                      | Inguinal     | Hyperplasia                  | Lymphoid, Mild        |
| [ Hyperplasia TGLs = 2-9 ]      |              |                              |                       |
| * Peripheral Nerve, Sciatic     | Axon         | Degeneration                 | Mild                  |
| * Preputial Gland               |              | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Skin                          |              | Ulcer                        | Moderate              |
| [ Ulcer TGLs = 1-19 ]           |              |                              |                       |
| * Spleen                        |              | Extramedullary Hematopoiesis | Moderate              |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1272

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1272

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 4-12 ]

Tooth

Dysplasia

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1273

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1273

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nerve Trigeminal	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant	TGLs = 9-14 ]		
* Kidney		Nephropathy	Chronicprogr, Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma	TGLs = 6-19 ]		
[ Hepatocellular Carcinoma	TGLs = 7-20 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node		Lymphoma Malignant	
[ Lymphoma Malignant	TGLs = 10-21 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant	TGLs = 8-15 ]		
Mesentery		Lymphoma Malignant	
[ Lymphoma Malignant	TGLs = 5-12 ]		
* Parathyroid GI			
Note: One parathyroid gland examined.			

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1273

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1273

ORGAN AND ACCOUNTABLE SITE STATUS

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial Gland	Bilateral, Duct	Dilation	Moderate
[ Dilation TGLs = 3-16 ]			
* Skin	Epidermis	Hyperplasia	Focal, Mild
[ Hyperplasia TGLs = 1-22, 2-23 ]		Ulcer	Mild
[ Ulcer TGLs = 1-22, 2-23 ]			
* Spleen		Extramedullary Hematopoiesis	Mild
[ Extramedullary Hematopoiesis TGLs = 4-12 ]		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLs = 4-12 ]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

Animal Note: TGL 11 = NCL



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1274

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1274

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Thymus

Cyst

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1276

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 723

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                             |                          |
|-----------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Intestine Large, Colon | * Intestine Large, Rectum   | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic     | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Preputial Gland           | * Prostate               | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                      | * Spinal Cord            | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                    | * Thyroid Gland          | * Trachea                   | * Urinary Bladder        |

**MISSING**

- |                   |                          |                 |                    |
|-------------------|--------------------------|-----------------|--------------------|
| * Harderian Gland | * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
|-------------------|--------------------------|-----------------|--------------------|

**AUTO PRECLUDES DIAG.**

- |                          |                             |
|--------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Duodenum |
|--------------------------|-----------------------------|

**OBSERVATIONS**

- |                                     |   |                          |                    |
|-------------------------------------|---|--------------------------|--------------------|
| * Adrenal Cortex                    | Subcapsular                                   | Hyperplasia              | Mild               |
| * Adren Medulla                     |   |                          |                    |
| Note: One adrenal medulla examined. |   |                          |                    |
| * Brain                             |   | Mineral                  | Minimal            |
| * Heart                             |   | Hepatocholangiocarcinoma | Metastatic (Liver) |
| * Kidney                            | Bilateral                                     | Infarct                  | Moderate           |
|                                     |   | Nephropathy              | Chronicprogr, Mild |
|                                     | [ Infarct TGLs = 2-13 ]                       |                          |                    |
|                                     | [ Nephropathy TGLs = 2-13 ]                   |                          |                    |
| * Liver                             |   | Hepatocellular Adenoma   |                    |
|                                     |   | Hepatocellular Carcinoma |                    |
|                                     |   | Hepatocholangiocarcinoma |                    |
|                                     | [ Hepatocellular Adenoma TGLs = 9-12 ]        |                          |                    |
|                                     | [ Hepatocellular Carcinoma TGLs = 10-19 ]     |                          |                    |
|                                     | [ Hepatocholangiocarcinoma TGLs = 4-12,5-12 ] |                          |                    |
| * Lung                              |   | Hepatocholangiocarcinoma | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1276

TRT#: 7

SEX: Male

DAY ON TEST: 723

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1276

ORGAN AND ACCOUNTABLE SITE STATUS

[ Hepatocholangiocarcinoma TGLs = 3-10 ]

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Skeletal Muscle

Hepatocholangiocarcinoma

Metastatic (Liver)

[ Hepatocholangiocarcinoma TGLs = 6-3, 7-21 ]

\* Spleen

Extramedullary Hematopoiesis

Mild

Testis

Seminif Tub

Necrosis

Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

CONTRIBUTORY CAUSE OF DEATH - Lung Hepatocholangiocarcinoma Liver

Animal Note: TGL 1 = NST; TGL 8 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1278

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular    | * Nerve Trigeminal         | * Nose                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Preputial Gland         |
| * Prostate                  | * Salivary Glands           | * Seminal Vesicle          | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord               | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                      | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder           |                            |                           |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                                  |              |                       |                       |
|----------------------------------|--------------|-----------------------|-----------------------|
| * Adrenal Cortex                 | Subcapsular  | Hyperplasia           | Mild                  |
| * Brain                          |              | Mineral               | Mild                  |
| * Epididymis                     |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Harderian Gland                |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                         | Renal Tubule | Cyst                  |                       |
|                                  |              | Nephropathy           | Chronicprogr, Minimal |
| * Liver                          |              | Clear Cell Focus      |                       |
|                                  |              | Fatty Change          | Mild                  |
| [ Clear Cell Focus TGLs = 1-12 ] |              |                       |                       |
| * Lymph Node, Mesenteric         |              | Hyperplasia           | Lymphoid, Moderate    |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1279

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Prostate               | * Seminal Vesicle          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   | * Thymus                   |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |              |                        |                       |
|--|--------------|------------------------|-----------------------|
| * Adrenal Cortex                                   | Subcapsular  | Hyperplasia            | Mild                  |
| * Brain  |              | Mineral                | Mild                  |
| * Epididymis                                       |              | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney   |              | Infarct                | Mild                  |
|  | Renal Tubule | Mineral                | Minimal               |
|  |              | Nephropathy            | Chronicprogr, Minimal |
| * Liver  |              | Fatty Change           | Moderate              |
|  |              | Hepatocellular Adenoma | Multiple              |
| [ Hepatocellular Adenoma TGLs = 1-12, 2-12, 4-19 ] |              |                        |                       |
| * Parathyroid GI                                   |              |                        |                       |
| Note: One parathyroid gland examined.              |              |                        |                       |
| * Preputial Gland                                  |              | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands                                  |              | Infiltration Cellular  | Lymphocyte, Mild      |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1280

TRT#: 7

SEX: Male

DAY ON TEST: 478

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Thymus

OBSERVATIONS

- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Harderian Gland
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Kidney
  - Nephropathy
  - Chronicprogr, Mild
- [ Nephropathy TGLs = 3-13 ]
- \* Liver
  - Hepatocellular Adenoma
  - Necrosis
  - Mild
- [ Hepatocellular Adenoma TGLs = 1-12 ]
- [ Necrosis TGLs = 2-12 ]
- \* Lung
  - Hemorrhage
  - Inflammation
  - Minimal
  - Granulomatous, Mild
- \* Nose
  - Respirat Epith
  - Accumulation, Hyaline Droplet
  - Mild
- \* Pituitary Gl
- Note: Pars distalis examined.
- \* Salivary Glands
  - Infiltration Cellular
  - Lymphocyte, Mild
- \* Urinary Bladder
  - Infiltration Cellular
  - Lymphocyte, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1281

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Bone
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Eye
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nose
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Pancreas
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Skeletal Muscle
- \* Testis
- \* Thyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Prostate
- \* Preputial Gland

OBSERVATIONS

- \* Brain
- Mineral
- Mild
- Coagulating Gland
- Cyst
- [ Cyst TGLs = 2-16 ]
- \* Epididymis
- Infiltration Cellular
- \* Harderian Gland
- Infiltration Cellular
- \* Kidney
- Nephropathy
- \* Liver
- Clear Cell Focus
- Hepatocellular Adenoma
- Multiple
- Hepatocellular Carcinoma
- Multiple
- [ Hepatocellular Adenoma TGLs = 5-19, 7-12, 8-20 ]
- [ Hepatocellular Carcinoma TGLs = 3-12, 6-12, 4-19 ]
- \* Lung
- Hepatocellular Carcinoma
- Metastatic (Liver)
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Seminal Vesicle
- Bilateral
- Dilation
- Mild
- [ Dilation TGLs = 1-16 ]
- \* Spleen
- Extramedullary Hematopoiesis
- Mild
- \* Thymus
- Cyst

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1283

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1283

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1284

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex            | * Adrenal Medulla           | * Aorta                     | * Bone                   |
| * Bone Marrow               | * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Nerve Trigeminal          | * Nose                      | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Seminal Vesicle           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                              |                       |
|-------------------|--|------------------------------|-----------------------|
| * Brain           |  | Mineral                      | Mild                  |
| * Epididymis      |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney          | Interstitial                                 | Infiltration Cellular        | Lymphocyte, Mild      |
|                   |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver           |  | Hepatocellular Adenoma       | Multiple              |
|                   | [ Hepatocellular Adenoma TGLs = 2-12, 3-12 ] |                              |                       |
|                   | [ Hepatocellular Carcinoma TGLs = 4-19 ]     |                              |                       |
| * Lung            |  | Hepatocellular Carcinoma     | Metastatic (Liver)    |
| * Preputial Gland | Duct   | Dilation                     | Moderate              |
|                   | [ Dilation TGLs = 1-16 ]                     | Infiltration Cellular        | Lymphocyte, Mild      |
| * Prostate        |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Salivary Glands |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Spleen          |  | Extramedullary Hematopoiesis | Mild                  |
| * Urinary Bladder |  | Infiltration Cellular        | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1285

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                 | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nerve Trigeminal          | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Skeletal Muscle           | * Skin                    |
| * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular        | Testis                    |
| * Thymus                    | * Thyroid Gland          | * Trachea                   |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |              |                       |                       |
|--|--------------|-----------------------|-----------------------|
| * Adrenal Cortex                           | Subcapsular  | Hyperplasia           | Mild                  |
| * Brain                                    |              | Mineral               | Mild                  |
| * Harderian Gland                          |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Heart                                    |              | Cardiomyopathy        | Minimal               |
| * Islets, Pancreatic                       |              | Hyperplasia           | Mild                  |
| * Kidney                                   | Interstitium | Infiltration Cellular | Lymphocyte, Minimal   |
|  |              | Nephropathy           | Chronicprogr, Minimal |
| * Liver                                    |              | Clear Cell Focus      |                       |
|  |              | Eosinophilic Focus    |                       |
| Note: Numerous multinucleated hepatocytes. |              |                       |                       |
| * Parathyroid Gland                        |              |                       |                       |
| Note: One parathyroid gland examined.      |              |                       |                       |
| * Salivary Glands                          |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Seminal Vesicle                          | Bilateral    | Dilation              | Mild                  |
| [ Dilation TGLs = 1-16 ]                   |              |                       |                       |
| * Spleen                                   |              | Hyperplasia           | Lymphoid, Mild        |
| * Urinary Bladder                          |              | Infiltration Cellular | Lymphocyte, Minimal   |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1286

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  |
| * Seminal Vesicle        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | Testis                      |
| * Thyroid Gland          | * Trachea                  |                           |                             |

MISSING

- |                             |                 |                    |
|-----------------------------|-----------------|--------------------|
| * Brain Trigeminal Ganglion | * Mammary Gland | * Nerve Trigeminal |
|-----------------------------|-----------------|--------------------|

OBSERVATIONS

- |                             |             |                       |                       |
|-----------------------------|-------------|-----------------------|-----------------------|
| * Adrenal Cortex            | Subcapsular | Hyperplasia           | Mild                  |
| * Brain                     |             | Mineral               | Minimal               |
| * Harderian Gland           |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Heart                     |             | Cardiomyopathy        | Minimal               |
| * Kidney                    |             | Nephropathy           | Chronicprogr, Minimal |
| Mesentery                   | Fat         | Necrosis              | Mild                  |
| [ Necrosis TGLs = 1-6 ]     |             |                       |                       |
| * Peripheral Nerve, Sciatic | Axon        | Degeneration          | Mild                  |
| * Preputial Gland           |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Salivary Glands           |             | Infiltration Cellular | Lymphocyte, Mild      |
| * Thymus                    |             | Cyst                  |                       |
| * Urinary Bladder           |             | Infiltration Cellular | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1287

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1287

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                       | * Gallbladder            |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Islets, Pancreatic     |
| * Lung                      | * Lymph Node, Mandibular    | * Nerve Trigeminal          | * Nose                   |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Preputial Gland           | * Salivary Glands           | * Seminal Vesicle           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | Testis                      | * Thymus                    | * Thyroid Gland          |
| * Trachea                   | * Urinary Bladder           |                             |                          |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |  |              |                          |                     |
|--|--------------|--------------------------|---------------------|
| * Adrenal Cortex                               | Subcapsular  | Hyperplasia              | Minimal             |
| * Adren Medulla                                |              |                          |                     |
| Note: One adrenal medulla examined.            |              |                          |                     |
| * Brain  |              | Mineral                  | Minimal             |
| * Epididymis                                   |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Intestine Small, Jejunum                     | Peyers Patch | Hyperplasia              | Lymphoid, Moderate  |
| * Kidney                                       | Interstitial | Infiltration Cellular    | Lymphocyte, Mild    |
| * Liver  |              | Hepatocellular Carcinoma | Multiple            |
| [ Hepatocellular Carcinoma TGLs = 2-12, 1-19 ] |              |                          |                     |
| * Lymph Node, Mesenteric                       |              | Hyperplasia              | Lymphoid, Mild      |
| [ Hyperplasia TGLs = 3-15 ]                    |              |                          |                     |
| * Parathyroid GI                               |              |                          |                     |
| Note: One parathyroid gland examined.          |              |                          |                     |
| * Prostate                                     |              | Infiltration Cellular    | Lymphocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1288

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Preputial Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Prostate
- \* Skin
- Testis
- \* Bone
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Salivary Glands
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Stomach, Forestomach
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                                      Subcapsular                                      Hyperplasia                                      Minimal  
     Note: One adrenal cortex examined (#19RT).
- \* Adren Medulla  
     Note: One adrenal medulla examined (slide 19RT).
- \* Islets, Pancreatic                                      Hyperplasia                                      Moderate
- \* Kidney    Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Hepatocellular Adenoma  
     Hepatocellular Carcinoma  
     Necrosis    Mild  
     [ Hepatocellular Adenoma    TGLs = 4-12 ]  
     [ Hepatocellular Carcinoma   TGLs = 3-12 ]
- \* Lung    Hepatocellular Carcinoma                                      Metastatic (Liver)
- \* Lymph Node, Mesenteric                                      Infiltration Cellular                                      Histiocyte, Mild  
     Note: Mesenteric lymph node is on slide 6.
- \* Parathyroid GI  
     Note: One parathyroid gland examined.

PRIMARY CAUSE OF DEATH                      - Liver    Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1288

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 681

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1288

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 1 = NCL; TGL 2 = NST

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1289

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone Marrow             | * Brain Trigeminal Ganglion |
| * Esophagus                 | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Nerve Trigeminal          | * Nose                     | * Pancreas                | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Prostate                | * Seminal Vesicle           |
| * Skeletal Muscle           | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular       | Testis                    | * Thymus                    |
| * Thyroid Gland             | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                        |                       |
|--------------------------|--|------------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia            | Mild                  |
| * Bone                   |  | Increased Bone         | Mild                  |
|                          | [ Increased Bone TGLs = 1-21 ]         |                        |                       |
| * Brain                  |  | Mineral                | Mild                  |
| * Epididymis             |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Heart                  |  | Cardiomyopathy         | Minimal               |
| * Kidney                 | Interstitium                           | Infiltration Cellular  | Lymphocyte, Mild      |
|                          |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver                  |  | Hepatocellular Adenoma |                       |
|                          | [ Hepatocellular Adenoma TGLs = 3-12 ] |                        |                       |
| * Lymph Node, Mandibular |  | Hyperplasia            | Lymphoid, Minimal     |
|                          | [ Hyperplasia TGLs = 6-9 ]             |                        |                       |
| * Lymph Node, Mesenteric |  | Hemorrhage             | Mild                  |
|                          | [ Hemorrhage TGLs = 5-15 ]             |                        |                       |
| * Preputial Gland        |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands        |  | Infiltration Cellular  | Lymphocyte, Minimal   |

Animal Note: TGLs 2, 4, & 7 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1290

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Peripheral Nerve, Sciatic

OBSERVATIONS

- \* Brain
  - \* Kidney
  - \* Liver
  - \* Pituitary Gland
  - Interstitial
  - Mineral Infiltration Cellular Nephropathy Clear Cell Focus Fatty Change Hepatocellular Adenoma
  - Mild Lymphocyte, Minimal Chronicprogr, Minimal
  - Mild Multiple
  - Pars Distalis
  - Cyst
- [ Clear Cell Focus TGLs = 2-19 ]  
 [ Hepatocellular Adenoma TGLs = 1-12, 3-12 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1291

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skin
- Testis
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Mild
- Nephropathy                              Chronicprogr, Minimal
- \* Liver    Fatty Change                              Mild
- Hepatocellular Adenoma                      Multiple
- Infiltration Cellular                      Lymphocyte, Mild
- [ Hepatocellular Adenoma    TGLs = 3-12, 2-19 ]
- \* Lymph Node, Mandibular                      Hemorrhage                              Mild
- Hyperplasia                                      Lymphoid, Mild
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Preputial Gland                              Infiltration Cellular                      Lymphocyte, Mild
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Spleen    Hyperplasia                                      Lymphoid, Moderate
- [ Hyperplasia    TGLs = 1-12 ]
- \* Thymus    Hemorrhage                                      Minimal
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1291

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1291

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1292

TRT#: 7

SEX: Male

DAY ON TEST: 638

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Brain
  - \* Kidney
  - \* Liver
  - [ Hepatocellular Adenoma TGLs = 4-12 ]
  - [ Hepatocellular Carcinoma TGLs = 3-12, 5-12,2-6 ]
  - \* Lung
  - \* Lymph Node, Mesenteric
  - Mesentery
  - [ Thrombus TGLs = 1-19 ]
  - \* Salivary Glands
  - \* Skin
  - [ Ulcer TGLs = 7-20 ]
  - \* Spleen
  - [ Extramedullary Hematopoiesis TGLs = 6-12 ]
  - \* Thyroid GI
- Interstitialium
  - Artery
  - Epidermis
- Mineral
  - Infiltration Cellular
  - Nephropathy
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Hepatocellular Carcinoma
  - Infiltration Cellular
  - Thrombus
  - Infiltration Cellular
  - Hyperplasia
  - Ulcer
  - Extramedullary Hematopoiesis
- Minimal
  - Lymphocyte, Mild
  - Chronicprogr, Minimal
  - Multiple
  - Multiple
  - Metastatic (Liver)
  - Histiocyte, Mild
  - Moderate
  - Lymphocyte, Mild
  - Focal, Mild
  - Marked
  - Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1292

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 638

**DOSE:** 10 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1292

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid examined.

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1293

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Minimal
- \* Harderian Gland                      Adenoma
- \* Intestine Small, Ileum              Peyers Patch                      Hyperplasia                      Lymphoid, Mild
- \* Kidney                                      Interstitium                      Infiltration Cellular              Lymphocyte, Minimal
- Renal Tubule                      Mineral                              Minimal
- Nephropathy                      Chronicprogr, Minimal
- \* Liver                                      Fatty Change                      Mild
- Hepatocellular Adenoma
- [ Hepatocellular Adenoma      TGLs = 2-12 ]
- \* Lung                                      Alveolar/Bronchiolar Adenoma
- Mesentery                              Fat                                      Necrosis                              Moderate
- [ Necrosis      TGLs = 1-6 ]
- \* Preputial Gland                      Infiltration Cellular              Lymphocyte, Mild
- \* Salivary Glands                      Infiltration Cellular              Lymphocyte, Mild
- \* Thymus                                      Cyst
- \* Urinary Bladder                      Infiltration Cellular              Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1294

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Lung
- \* Lymph Node, Mandibular
- \* Nose
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Liver
  - Clear Cell Focus
  - Hepatocellular Adenoma
  - Hepatocellular Carcinoma
  - Infiltration Cellular
  - [ Clear Cell Focus TGLs = 2-12, 2-19 ]
  - [ Hepatocellular Adenoma TGLs = 5-12, 6-12, 4-19 ]
  - [ Hepatocellular Carcinoma TGLs = 3-19 ]
- Mesentery
  - Fat
  - Necrosis
  - [ Necrosis TGLs = 1-6 ]
- \* Pancreas
  - Infiltration Cellular
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Salivary Glands
  - Infiltration Cellular

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1295

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Bone
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Eye
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Lung
- \* Nerve Trigeminal
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Nose
- \* Pancreas
- \* Prostate
- \* Skeletal Muscle
- \* Pituitary Gland
- \* Preputial Gland
- \* Spleen
- \* Stomach, Forestomach
- \* Skin
- \* Spinal Cord
- \* Thymus
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Brain
- Mineral
- Minimal
- \* Epididymis
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Harderian Gland
- Infiltration Cellular
- Lymphocyte, Moderate
- \* Islets, Pancreatic
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Kidney
- Interstitial
- Lymphocyte, Minimal
- Renal Tubule
- Mineral
- Minimal
- Nephropathy
- Chronicprogr, Minimal
- \* Liver
- Clear Cell Focus
- Fatty Change
- Minimal
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- [ Clear Cell Focus TGLs = 4-12 ]
- [ Hepatocellular Adenoma TGLs = 2-12 ]
- [ Hepatocellular Carcinoma TGLs = 3-20 ]
- \* Lymph Node, Mesenteric
- Hemorrhage
- Minimal
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1295

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1295

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Dilation

Mild

Tooth

Dysplasia

Mild

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1297

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Islets, Pancreatic                      Hyperplasia                              Mild
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Mild
- Nephropathy                              Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                              Hepatocellular Adenoma                      Multiple
- [ Hepatocellular Adenoma                      TGLs = 1-12, 2-12, 3-12, 4-19 ]
- Mesentery                                      Fat    Necrosis                                      Moderate
- [ Necrosis                      TGLs = 6-6 ]
- \* Pancreas                                      Duct    Cyst
- [ Cyst                      TGLs = 5-19 ]
- \* Parathyroid GI                              Note: One parathyroid gland examined.
- \* Preputial Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
- Tooth    Dysplasia                                      Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1298

TRT#: 7

SEX: Male

DAY ON TEST: 496

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Gallbladder
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal examined.
- \* Adren Medulla
  - Note: One adrenal examined.
- \* Kidney
 

	Interstitialium	Infiltration Cellular	
		Metaplasia	Lymphocyte, Minimal
		Nephropathy	Osseous
		Fatty Change	Chronicprogr, Minimal
		Hepatocellular Adenoma	Mild
		Necrosis	Mild
- \* Liver
  - Note: The gross lesion incorrectly identified the tissue as gallbladder.
  - [ Hepatocellular Adenoma TGLs = 1-12 ]
- \* Lymph Node, Mesenteric
 

	Hemorrhage	
		Mild
- \* Thyroid GI

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1298

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 496

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1298

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid gland examined.

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Adenoma

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1299

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                 | * Eye                     |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Seminal Vesicle           | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | Testis                   | * Thyroid Gland             | * Trachea                 |
| * Urinary Bladder           |                          |                             |                           |

MISSING

- |               |                 |                    |
|---------------|-----------------|--------------------|
| * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
|---------------|-----------------|--------------------|

OBSERVATIONS

- |                   |  |                          |                       |
|-------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia              | Marked                |
| * Brain           |  | Mineral                  | Minimal               |
| * Harderian Gland |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Kidney          | Interstitium                             | Infiltration Cellular    | Lymphocyte, Minimal   |
|                   |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver           |  | Hepatoblastoma           |                       |
|                   |  | Hepatocellular Adenoma   | Multiple              |
|                   |  | Hepatocellular Carcinoma |                       |
|                   | [ Hepatoblastoma TGLs = 2-19 ]           |                          |                       |
|                   | [ Hepatocellular Adenoma TGLs = 3-12 ]   |                          |                       |
|                   | [ Hepatocellular Carcinoma TGLs = 1-12 ] |                          |                       |
| * Salivary Glands |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Thymus          |  | Cyst                     |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1300

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- Testis
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Brain
- Mineral
- Mild
- \* Epididymis
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Harderian Gland
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Kidney
- Nephropathy
- Chronicprogr, Minimal
- \* Liver
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 1-12 ]
- [ Hepatocellular Carcinoma TGLs = 2-19 ]
- \* Lymph Node, Mesenteric
- Hemorrhage
- Mild
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Mild
- \* Thymus
- Cyst
- \* Thyroid Gland
- Follicular Cel
- Adenoma
- \* Urinary Bladder
- Infiltration Cellular
- Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1301

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1301

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1302

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Seminal Vesicle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Brain
- Mineral
- Minimal
- \* Heart
- Sarcoma
- Metastatic (Skeletal Muscle)
- \* Intestine Small, Jejunum
- Adenocarcinoma
- [ Adenocarcinoma TGLs = 9-14 ]
- \* Kidney
- Interstitialium
- Infiltration Cellular
- Sarcoma
- Lymphocyte, Minimal
- \* Liver
- Eosinophilic Focus
- Hepatocellular Carcinoma
- Necrosis
- Mild
- Sarcoma
- Metastatic (Skeletal Muscle)
- [ Hepatocellular Carcinoma TGLs = 2-12, 3-24 ]
- \* Lung
- Alveolar/Bronchiolar Adenoma
- Sarcoma
- Metastatic (Skeletal Muscle)
- [ Sarcoma TGLs = 7-10, 6-23 ]
- Lymph Node
- Bronchial
- Sarcoma
- Metastatic (Skeletal Muscle)
- [ Sarcoma TGLs = 8-22 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1302

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 585

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1302

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Pituitary Gl

Note: Pars distalis examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Skeletal Muscle

Sarcoma

[ Sarcoma TGLs = 1-21, 4-19, 5-20 ]

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Thymus

Atrophy

Marked

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

Animal Note: TGL 10 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1303

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  |
| * Nerve Trigeminal          | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Prostate                 | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                       |  |                                |                       |
|---------------------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular                                  | Hyperplasia                    | Mild                  |
| * Brain                               |  | Mineral                        | Mild                  |
| * Harderian Gland                     |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Heart                               | Endothelium                                  | Hyperplasia                    | Mild                  |
| * Islets, Pancreatic                  |  | Hyperplasia                    | Mild                  |
| * Kidney                              | Interstitialium                              | Infiltration Cellular          | Lymphocyte, Minimal   |
|                                       |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                               |  | Clear Cell Focus               |                       |
|                                       |  | Fatty Change                   | Minimal               |
|                                       |  | Hepatocellular Carcinoma       |                       |
|                                       | [ Hepatocellular Carcinoma TGLs = 3-12 ]     |                                |                       |
| * Lung                                |  | Alveolar/Bronchiolar Adenoma   |                       |
|                                       |  | Alveolar/Bronchiolar Carcinoma |                       |
|                                       | [ Alveolar/Bronchiolar Adenoma TGLs = 4-10 ] |                                |                       |
| * Parathyroid GI                      |  |                                |                       |
| Note: One parathyroid gland examined. |  |                                |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1303

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1303

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Moderate
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLs = 1-12 ]			
Testis	Germ Cell	Degeneration	Mild
Tooth		Dysplasia	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1304

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Preputial Gland          |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                      |  |                                |                       |
|----------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex     | Subcapsular                                    | Hyperplasia                    | Mild                  |
| * Brain              |  | Mineral                        | Minimal               |
| * Harderian Gland    |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Islets, Pancreatic |  | Hyperplasia                    | Mild                  |
| * Kidney             |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver              |  | Hepatocellular Adenoma         | Multiple              |
|                      | [ Hepatocellular Adenoma TGLs = 1-12, 2-12 ]   |                                |                       |
| * Lung               |  | Alveolar/Bronchiolar Carcinoma |                       |
|                      | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ] |                                |                       |
| Lymph Node           | Bronchial                                      | Hyperplasia                    | Lymphoid, Mild        |
|                      | [ Hyperplasia TGLs = 4-19 ]                    |                                |                       |
| * Parathyroid GI     |  |                                |                       |
|                      | Note: One parathyroid gland examined.          |                                |                       |
| * Prostate           |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Salivary Glands    |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Urinary Bladder    |  | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1305

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                          |
|-----------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex            | * Adrenal Medulla           | * Aorta                  | * Bone                   |
| * Bone Marrow               | * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus              |
| * Eye                       | * Gallbladder               | * Heart                  | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Lymph Node, Mandibular | * Nose                   |
| * Peripheral Nerve, Sciatic | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach   |
| * Stomach, Glandular        | Testis                      | * Thymus                 | * Thyroid Gland          |
| * Trachea                   | * Urinary Bladder           |                          |                          |

MISSING

- |                 |                    |                     |                   |
|-----------------|--------------------|---------------------|-------------------|
| * Mammary Gland | * Nerve Trigeminal | * Parathyroid Gland | * Pituitary Gland |
|-----------------|--------------------|---------------------|-------------------|

OBSERVATIONS

- |                             |  |                          |                       |
|-----------------------------|--|--------------------------|-----------------------|
| * Brain                     |  | Mineral                  | Minimal               |
| * Harderian Gland           |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Intestine Small, Duodenum | Peyers Patch                             | Hyperplasia              | Lymphoid, Moderate    |
| * Intestine Small, Ileum    | Peyers Patch                             | Hyperplasia              | Lymphoid, Moderate    |
| * Intestine Small, Jejunum  | Peyers Patch                             | Hyperplasia              | Lymphoid, Moderate    |
| * Islets, Pancreatic        |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Kidney                    | Interstitium                             | Infiltration Cellular    | Lymphocyte, Mild      |
|                             |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                     |  | Hepatocellular Adenoma   |                       |
|                             |  | Hepatocellular Carcinoma |                       |
|                             | [ Hepatocellular Adenoma TGLs = 2-12 ]   |                          |                       |
|                             | [ Hepatocellular Carcinoma TGLs = 3-12 ] |                          |                       |
| * Lung                      |  | Hepatocellular Carcinoma | Metastatic (Liver)    |
| * Lymph Node, Mesenteric    |  | Hyperplasia              | Lymphoid, Mild        |
|                             | [ Hyperplasia TGLs = 4-15 ]              |                          |                       |
| * Pancreas                  |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Preputial Gland           |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Salivary Glands           |  | Infiltration Cellular    | Lymphocyte, Mild      |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1307

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                   |                             |
|--------------------------|-----------------------------|-------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone            | * Brain Trigeminal Ganglion |
| * Epididymis             | * Esophagus                 | * Eye             | * Gallbladder               |
| * Harderian Gland        | * Islets, Pancreatic        | * Kidney          | * Lung                      |
| * Lymph Node, Mandibular | * Nerve Trigeminal          | * Nose            | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle           | * Spinal Cord     | * Thymus                    |
| * Thyroid Gland          | * Trachea                   | * Urinary Bladder |                             |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mesenteric | * Mammary Gland |
|--------------------------|-----------------|

AUTO PRECLUDES DIAG.

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Stomach, Forestomach    | * Stomach, Glandular        |

OBSERVATIONS

- |                   |  |                              |                         |
|-------------------|--|------------------------------|-------------------------|
| * Adrenal Cortex  | Subcapsular                                  | Hyperplasia                  | Minimal                 |
| * Bone Marrow     |  | Hypercellularity             | Mild                    |
| * Brain           |  | Mineral                      | Mild                    |
| * Heart           |  | Inflammation                 | Acute, Mild             |
| * Liver           |  | Extramedullary Hematopoiesis | Mild                    |
|                   |  | Hepatocellular Adenoma       |                         |
|                   |  | Necrosis                     | Mild                    |
|                   | [ Extramedullary Hematopoiesis TGLs = 4-12 ] |                              |                         |
|                   | [ Hepatocellular Adenoma TGLs = 3-12 ]       |                              |                         |
| * Preputial Gland | Bilateral                                    | Inflammation                 | Chronic Active, Mild    |
| * Skeletal Muscle |  | Inflammation                 | Granulomatous, Moderate |
| * Skin            |  | Lipoma                       |                         |
|                   | [ Lipoma TGLs = 1-20 ]                       |                              |                         |
| * Spleen          |  | Extramedullary Hematopoiesis | Moderate                |
|                   | [ Extramedullary Hematopoiesis TGLs = 6-12 ] |                              |                         |
| Testis            | Germ Cell                                    | Degeneration                 | Mild                    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1307

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 691

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1307

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Necrosis

Animal Note: TGLs 2, 5, & 7 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1309

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Skin
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spinal Cord
- Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thymus

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Renal Tubule                              Cyst                                      Moderate
- Pelvis                                      Nephropathy                              Chronicprogr, Marked
- [ Cyst    TGLs = 2-13, 3-13 ]
- [ Nephropathy    TGLs = 4-13 ]
- \* Liver                                      Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 5-19 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Pituitary GI
- Note: Pars distalis examined.
- \* Preputial Gland                      Duct                                      Dilatation                              Moderate
- [ Dilatation    TGLs = 1-16 ]
- \* Thyroid GI

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1309

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1309

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid gland examined.

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1310

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Harderian Gland
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Thymus

INSUFFICIENT TISSUE

- \* Peripheral Nerve, Sciatic

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined.
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
- \* Intestine Small, Ileum
  - Peyers Patch
- \* Kidney
  - Interstitialium
- \* Liver
  - Mineral
  - Hyperplasia
  - Infiltration Cellular
  - Nephropathy
  - Hepatocellular Adenoma
  - Hepatocholangiocarcinoma
- [ Hepatocellular Adenoma TGLs = 5-20 ]
  - [ Hepatocholangiocarcinoma TGLs = 2-12, 3-19, 4-20, 6-12 ]
- Mesentery
  - Fat
  - Necrosis
- [ Necrosis TGLs = 1-6 ]
- \* Parathyroid GI
  - Mild
  - Lymphoid, Mild
  - Lymphocyte, Mild
  - Chronicprogr, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1310

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1310

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

\* Prostate

\* Salivary Glands

\* Spleen

Tooth

Infiltration Cellular

Infiltration Cellular

Hyperplasia

Dysplasia

Lymphocyte, Minimal

Lymphocyte, Minimal

Lymphoid, Mild

Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1311

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Skin
- \* Thymus

MISSING

- \* Gallbladder
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Mild
- \* Harderian Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Nephropathy                              Chronicprogr, Minimal
- Bilateral, Renal Tubule                      Pigment                                      Mild
- \* Liver                                      Hepatoblastoma
- Hepatocellular Carcinoma
- [ Hepatoblastoma    TGLs = 1-19 ]
- [ Hepatocellular Carcinoma    TGLs = 2-12 ]
- \* Lung                                      Alveolar/Bronchiolar Carcinoma
- Hepatocellular Carcinoma                      Metastatic (Liver)
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 3-10 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Preputial Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Spleen                                      Extramedullary Hematopoiesis                      Mild
- Testis                                      Germ Cell                                      Degeneration                      Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1311

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1311

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1313

TRT#: 7

SEX: Male

DAY ON TEST: 461

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                          |                           |
|--------------------------|-----------------------------|--------------------------|---------------------------|
| * Adrenal Cortex         | * Adrenal Medulla           | * Aorta                  | * Bone                    |
| * Bone Marrow            | * Epididymis                | * Esophagus              | * Eye                     |
| * Heart                  | * Intestine Large, Cecum    | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Islets, Pancreatic     | * Kidney                    | * Lung                   | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric | * Nerve Trigeminal          | * Nose                   | * Pancreas                |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Preputial Gland         |
| * Prostate               | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                    |
| * Spinal Cord            | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular      |
| Testis                   | * Thymus                    | * Thyroid Gland          | * Trachea                 |

MISSING

- |                             |               |                 |
|-----------------------------|---------------|-----------------|
| * Brain Trigeminal Ganglion | * Gallbladder | * Mammary Gland |
|-----------------------------|---------------|-----------------|

AUTO PRECLUDES DIAG.

- |                             |                          |                            |
|-----------------------------|--------------------------|----------------------------|
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- |   |                          |                     |
|---|--------------------------|---------------------|
| * Adren Medulla<br>Note: One adrenal medulla examined.          |                          |                     |
| * Brain   | Mineral                  | Minimal             |
| * Harderian Gland   | Infiltration Cellular    | Lymphocyte, Minimal |
| * Liver<br>[ Hepatocellular Carcinoma TGLs = 1-12, 2-12, 3-12 ] | Hepatocellular Carcinoma |                     |
| * Parathyroid GI<br>Note: One parathyroid gland examined.       |                          |                     |
| * Salivary Glands   | Infiltration Cellular    | Lymphocyte, Minimal |
| * Urinary Bladder   | Infiltration Cellular    | Lymphocyte, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 4 & 5 = NCL

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1314

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 684

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1314

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 6-12 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

---

Animal Note: TGL 1 = NST

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1315

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Nose
- \* Prostate
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular Adenoma
  - Subcapsular Hyperplasia
- \* Brain
  - Mineral Infiltration Cellular
- \* Harderian Gland
  - Adenoma
- \* Intestine Small, Ileum
  - Nephropathy
- \* Kidney
  - Clear Cell Focus
  - Fatty Change
  - Hepatoblastoma
  - Hepatocellular Adenoma
- \* Liver
  - Mild
  - Minimal
  - Lymphocyte, Minimal
  - Chronicprogr, Minimal
  - Moderate
  - Multiple
- [ Clear Cell Focus TGLs = 5-12 ]
- [ Hepatoblastoma TGLs = 7-20 ]
- [ Hepatocellular Adenoma TGLs = 2-19, 3-12, 4-12 ]
- \* Lung
  - Alveolar/Bronchiolar Carcinoma
- [ Alveolar/Bronchiolar Carcinoma TGLs = 6-10 ]
- \* Pituitary Gland
  - Note: Pars distalis examined.
- \* Preputial Gland
  - Infiltration Cellular
  - Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1315

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1315

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

Testis

Germ Cell

Degeneration

Mild

Tooth

Dysplasia

Mild

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1316

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Minimal
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy                              Nephropathy                              Chronicprogr, Minimal
- [ Nephropathy    TGLs = 2-13 ]
- \* Liver    Hepatocellular Adenoma                      Hepatocellular Adenoma
- Hepatocellular Carcinoma                      Hepatocellular Carcinoma
- [ Hepatocellular Adenoma    TGLs = 4-12 ]
- [ Hepatocellular Carcinoma    TGLs = 1-6 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Preputial Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Thyroid Gland
- Note: One thyroid gland examined.
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Minimal

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

**ANIMAL ID:** 1317

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Brain
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nerve Trigeminal	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
Testis	* Thymus	* Thyroid Gland	* Trachea

**MISSING**

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Lymphoma Malignant	
[ Lymphoma Malignant TGLs = 5-14 ]			
* Kidney		Infarct	Moderate
[ Nephropathy TGLs = 6-13, 7-13 ]		Nephropathy	Chronicprogr, Moderate
* Liver		Infiltration Cellular	Polymorphnuclr, Moderate
[ Infiltration Cellular TGLs = 8-12 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLs = 4-15 ]			
* Peripheral Nerve, Sciatic	Axon	Degeneration	Moderate
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Extramedullary Hematopoiesis	Moderate
[ Extramedullary Hematopoiesis TGLs = 3-12 ]			
Tooth		Dysplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1317

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1317

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGLs 1, 2, & 9 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1318

TRT#: 7

SEX: Male

DAY ON TEST: 707

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Bone
- \* Heart
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Eye
- \* Islets, Pancreatic
- \* Kidney
- \* Nose
- \* Intestine Small, Duodenum
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Pancreas
- \* Prostate
- \* Salivary Glands
- \* Skeletal Muscle
- \* Preputial Gland
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Skin
- Testis
- \* Thymus
- \* Thyroid Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Trachea

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nerve Trigeminal

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

INSUFFICIENT TISSUE

- \* Esophagus

OBSERVATIONS

- \* Brain
    - Mineral Mild
    - Adenoma
  - \* Harderian Gland
    - Extramedullary Hematopoiesis Mild
    - Hepatocellular Adenoma
  - \* Liver
    - [ Hepatocellular Adenoma TGLs = 9-12 ]
  - \* Lung
    - Alveolar/Bronchiolar Carcinoma
    - Infiltration Cellular Histiocyte, Moderate
  - \* Lymph Node, Mesenteric
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 4-10, 5-10, 6-10, 7-10, 8-10 ]
  - Mesentery
    - Infiltration Cellular Histiocyte, Mild
    - Fat Necrosis Marked
  - \* Parathyroid GI
    - [ Necrosis TGLs = 3-6 ]
- Note: One parathyroid gland examined.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 1318

TRT#: 7

SEX: Male

DAY ON TEST: 707

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1318

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Seminal Vesicle

Bilateral

Dilation

Mild

[ Dilation TGLs = 2-16 ]

---

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1319

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                             |
|-----------------------------|-----------------------------|----------------------------|-----------------------------|
| * Aorta                     | * Bone                      | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Epididymis                | * Esophagus                 | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Lung                      |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                     | * Pancreas                  |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Prostate                  |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       | Testis                      |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder          |                             |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                      |  |                         |                       |
|----------------------|--|-------------------------|-----------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia             | Minimal               |
| * Adrenal Medulla    |  | Pheochromocytoma Benign |                       |
| * Brain              |  | Mineral                 | Minimal               |
| * Harderian Gland    |  | Infiltration Cellular   | Lymphocyte, Minimal   |
| * Islets, Pancreatic |  | Hyperplasia             | Mild                  |
|                      |  | Infiltration Cellular   | Lymphocyte, Minimal   |
| * Kidney             |  | Infarct                 | Mild                  |
|                      |  | Nephropathy             | Chronicprogr, Minimal |
| * Liver              |  | Hepatocellular Adenoma  | Multiple              |
|                      | [ Hepatocellular Adenoma TGLs = 1-19, 2-12, 3-12, 4-12 ] |                         |                       |
| * Preputial Gland    |  | Infiltration Cellular   | Lymphocyte, Minimal   |
| * Salivary Glands    |  | Infiltration Cellular   | Lymphocyte, Minimal   |
| * Thymus             |  | Cyst                    |                       |
| Tooth                |  | Dysplasia               | Moderate              |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1321

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Parathyroid Gland
- \* Skeletal Muscle
- Testis
- \* Aorta
- \* Epididymis
- \* Intestine Large, Rectum
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Lung
- \* Pituitary Gland
- \* Spinal Cord
- \* Bone Marrow
- \* Eye
- \* Nose
- \* Preputial Gland
- \* Stomach, Forestomach

MISSING

- \* Gallbladder
- \* Pancreas
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Nerve Trigeminal

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Stomach, Glandular
- \* Intestine Large, Colon
- \* Lymph Node, Mesenteric
- \* Thyroid Gland
- \* Intestine Small, Duodenum
- \* Prostate
- \* Intestine Small, Ileum
- \* Spleen

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Mild
- \* Kidney    Bilateral    Infarct    Moderate
- \* Liver    Hepatocellular Carcinoma    Necrosis    Moderate
- [ Hepatocellular Carcinoma    TGLs = 1-12 ]
- \* Lymph Node, Mandibular    Infiltration Cellular    Histiocyte, Mild
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Seminal Vesicle    Bilateral    Dilatation    Moderate
- \* Thymus    Atrophy    Moderate
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH                      - Liver    Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH                      - Liver    Necrosis

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1322

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1322

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Epididymis             | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal       | * Nose                     | * Pancreas                |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Prostate                 | * Seminal Vesicle         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

**MISSING**

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

**INSUFFICIENT TISSUE**

- \* Thyroid Gland

**OBSERVATIONS**

- |                         |  |                          |                       |
|-------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex        | Subcapsular  | Hyperplasia              | Minimal               |
| * Brain                 |  | Mineral                  | Mild                  |
| * Eye                   |  |                          |                       |
| Note: One eye examined. |  |                          |                       |
| * Harderian Gland       |  | Infiltration Cellular    | Lymphocyte, Minimal   |
| * Heart                 |  | Cardiomyopathy           | Minimal               |
|                         |  | Mineral                  | Minimal               |
| * Islets, Pancreatic    |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Kidney                | Interstitial   | Infiltration Cellular    | Lymphocyte, Minimal   |
|                         |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver                 |  | Hepatocellular Adenoma   | Multiple              |
|                         |  | Hepatocellular Carcinoma |                       |
|                         | [ Hepatocellular Adenoma TGLs = 2-12, 3-19, 4-19, 5-12 ] |                          |                       |
|                         | [ Hepatocellular Carcinoma TGLs = 1-12 ]                 |                          |                       |
| * Lung                  |  | Hepatocellular Carcinoma | Metastatic (Liver)    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1322

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1322

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Pituitary Gland

Note: Pars distalis examined.

\* Preputial Gland

Infiltration Cellular

Lymphocyte, Minimal

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

---





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1324

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1324

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

Cyst

Squamous

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1325

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                       | * Gallbladder            |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Islets, Pancreatic     |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                   |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Salivary Glands        |
| * Seminal Vesicle           | * Skeletal Muscle           | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   |
| * Thymus                    | * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                            |  |                                |                       |
|----------------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex           | Subcapsular                                    | Hyperplasia                    | Minimal               |
| * Brain                    |  | Mineral                        | Minimal               |
| * Epididymis               |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Intestine Small, Jejunum | Peyers Patch                                   | Hyperplasia                    | Lymphoid, Mild        |
| * Kidney                   |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver                    |  | Clear Cell Focus               |                       |
|                            |  | Hepatocellular Adenoma         | Multiple              |
|                            | [ Clear Cell Focus TGLs = 2-12 ]               |                                |                       |
|                            | [ Hepatocellular Adenoma TGLs = 1-19, 4-19 ]   |                                |                       |
| * Lung                     |  | Alveolar/Bronchiolar Adenoma   |                       |
|                            |  | Alveolar/Bronchiolar Carcinoma |                       |
|                            |  | Infiltration Cellular          | Histiocyte, Moderate  |
|                            | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ] |                                |                       |
| * Preputial Gland          |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Prostate                 |  | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1325

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1325

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia  
Inflammation

Moderate  
Chronic Active, Moderate

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1327

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                       | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Nose                     |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| Testis                      | * Thymus                    | * Thyroid Gland             | * Trachea                  |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                   |                                       |   |                                       |
|-------------------|---------------------------------------|---|---------------------------------------|
| * Adrenal Cortex  | Subcapsular<br>Subcapsular            | Adenoma<br>Hyperplasia<br>Hyperplasia<br>Mineral      | Minimal<br>Focal, Moderate<br>Minimal |
| * Brain           |                                       | Infiltration Cellular                                 | Lymphocyte, Minimal                   |
| * Epididymis      |                                       | Nephropathy   | Chronicprogr, Minimal                 |
| * Kidney          |                                       | Clear Cell Focus                                      |                                       |
| * Liver           |                                       | Fatty Change<br>Hepatoblastoma                        | Mild                                  |
|                   | [ Hepatoblastoma TGLs = 1-12 ]        |   |                                       |
| * Lung            |                                       | Alveolar/Bronchiolar Adenoma<br>Infiltration Cellular | Mononuclear CI, Mild                  |
| * Parathyroid GI  |                                       |   |                                       |
|                   | Note: One parathyroid gland examined. |   |                                       |
| * Preputial Gland |                                       | Infiltration Cellular                                 | Lymphocyte, Mild                      |
| * Salivary Glands |                                       | Infiltration Cellular                                 | Lymphocyte, Minimal                   |
| * Urinary Bladder |                                       | Infiltration Cellular                                 | Lymphocyte, Minimal                   |

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1331

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland           | * Prostate                  | * Seminal Vesicle        | * Skeletal Muscle          |
| * Skin                      | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                       |  |                          |                          |
|---------------------------------------|--|--------------------------|--------------------------|
| * Adrenal Cortex                      | Subcapsular                                    | Hyperplasia              | Minimal                  |
| * Adren Medulla                       |  |                          |                          |
| Note: One adrenal medulla examined.   |  |                          |                          |
| * Brain                               |  | Mineral                  | Mild                     |
| * Epididymis                          |  | Infiltration Cellular    | Lymphocyte, Minimal      |
| * Kidney                              |  | Nephropathy              | Chronic progr, Minimal   |
| * Liver                               |  | Clear Cell Focus         |                          |
|                                       |  | Hepatocellular Adenoma   |                          |
|                                       |  | Hepatocellular Carcinoma | Multiple                 |
|                                       | [ Hepatocellular Adenoma TGLs = 1-12 ]         |                          |                          |
|                                       | [ Hepatocellular Carcinoma TGLs = 2-12, 3-12 ] |                          |                          |
| Mesentery                             | Artery   | Inflammation             | Chronic Active, Moderate |
| * Parathyroid Gland                   |  |                          |                          |
| Note: One parathyroid gland examined. |  |                          |                          |
| * Peripheral Nerve, Sciatic           | Axon   | Degeneration             | Minimal                  |
| * Preputial Gland                     |  | Infiltration Cellular    | Lymphocyte, Minimal      |
| * Salivary Glands                     |  | Infiltration Cellular    | Lymphocyte, Minimal      |
| * Spinal Cord                         |  | Squamous Cyst            |                          |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1331

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1331

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

Hemangiosarcoma

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Animal Note: TGLs 4 & 5 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1334

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    |
| * Nose                      | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate                | * Seminal Vesicle           | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                    | * Thymus                    | * Thyroid Gland             |
| * Trachea                   |                           |                             |                             |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                   |  |                                |                       |
|-------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                                    | Hyperplasia                    | Mild                  |
| * Brain           |  | Mineral                        | Minimal               |
| * Kidney          | Interstitium                                   | Infiltration Cellular          | Lymphocyte, Minimal   |
|                   |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus               |                       |
|                   |  | Fatty Change                   | Moderate              |
|                   | [ Clear Cell Focus TGLs = 1-12 ]               |                                |                       |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma |                       |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 2-10 ] |                                |                       |
| * Preputial Gland |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Salivary Glands |  | Infiltration Cellular          | Lymphocyte, Mild      |
| * Urinary Bladder |  | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1335

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Brain
- Mineral
- Mild
- \* Kidney
- Nephropathy
- Chronicprogr, Minimal
- \* Liver
- Clear Cell Focus
- Fatty Change
- Moderate
- Hepatocellular Adenoma
- Multiple
- [ Hepatocellular Adenoma TGLs = 2-12, 3-12, 4-19, 5-12, 6-19 ]
- \* Seminal Vesicle
- Dilation
- Mild
- [ Dilation TGLs = 1-16 ]

Animal Note: TGL 7 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1336

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testis
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Mammary Gland

OBSERVATIONS

- \* Adren Cortex
  - Note: One adrenal cortex examined.
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
  - Infiltration Cellular
  - Adenoma
  - Infiltration Cellular
  - Nephropathy
  - Hepatocellular Adenoma
- \* Epididymis
  - Minimal
  - Lymphocyte, Minimal
- \* Harderian Gland
- \* Kidney
  - Interstitialium
  - Infiltration Cellular
  - Nephropathy
  - Hepatocellular Adenoma
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 4-12 ]
- \* Lung
  - Alveolar Epith
  - [ Hyperplasia TGLs = 6-10 ]
  - Hyperplasia
  - Focal, Mild
- Lymph Node
  - [ Lymphoma Malignant TGLs = 3-19, 7-20 ]
  - Lymphoma Malignant
- \* Lymph Node, Mesenteric
  - [ Hemorrhage TGLs = 2-22 ]
  - Hemorrhage
  - Mild
  - Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1336

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1336

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Lymphoma Malignant TGLs = 1-22 ]

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Preputial GI			
Note: One preputitital gland examined.			
* Spleen		Hyperplasia	Lymphoid, Moderate
* Thymus		Cyst	
Tooth		Dysplasia	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

---

Animal Note: TGL 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1338

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Seminal Vesicle           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | Testis                    | * Thymus                    | * Thyroid Gland          |
| * Trachea                   | * Urinary Bladder         |                             |                          |

MISSING

- |                 |                    |
|-----------------|--------------------|
| * Mammary Gland | * Nerve Trigeminal |
|-----------------|--------------------|

OBSERVATIONS

- |                     |  |                        |                       |
|---------------------|--|------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain             |  | Mineral                | Mild                  |
| * Kidney            | Interstitium                           | Infiltration Cellular  | Lymphocyte, Minimal   |
|                     |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver             |  | Fatty Change           | Mild                  |
|                     |  | Hepatocellular Adenoma |                       |
|                     | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                       |
| * Parathyroid Gland | Note: One parathyroid gland examined.  |                        |                       |
| * Preputial Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Prostate          |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| Tooth               |  | Dysplasia              | Mild                  |

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1339

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Preputial Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Esophagus
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Epididymis
- \* Harderian Gland
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 1-12 ]
- \* Prostate
- \* Salivary Glands
- Testis
- \* Urinary Bladder
- Subcapsular
- Hyperplasia
- Mineral
- Infiltration Cellular
- Infiltration Cellular
- Nephropathy
- Clear Cell Focus
- Fatty Change
- Hepatocellular Adenoma
- Infiltration Cellular
- Infiltration Cellular
- Degeneration
- Infiltration Cellular
- Minimal
- Mild
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Chronicprogr, Minimal
- Mild
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Mild
- Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1340

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Skeletal Muscle
- Testis
- \* Urinary Bladder
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Thymus

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Bone Marrow
- \* Brain
- \* Eye
  - [ Inflammation TGLs = 8-5 ]
- \* Harderian Gland
- \* Kidney
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 7-12 ]
- Lymph Node
  - [ Hyperplasia TGLs = 5-9 ]
- \* Lymph Node, Mandibular
  - [ Infiltration Cellular TGLs = 4-9 ]
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Preputial Gland
- \* Skin
- Bilateral, Cornea
- Bilateral, Iris
- Inguinal
- Hypercellularity
- Mineral
- Inflammation
- Synechia
- Infiltration Cellular
- Nephropathy
- Hepatocellular Adenoma
- Hyperplasia
- Infiltration Cellular
- Infiltration Cellular
- Inflammation
- Squamous Cell Papilloma
- Moderate
- Mild
- Chronic Active, Moderate
- Marked
- Lymphocyte, Mild
- Chronicprogr, Minimal
- Lymphoid, Moderate
- Histiocyte, Moderate
- Lymphocyte, Minimal
- Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1340

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1340

**ORGAN AND ACCOUNTABLE SITE STATUS**

Ulcer

Marked

[ Squamous Cell Papilloma TGLs = 3-20 ]

[ Ulcer TGLs = 1-19, 2-19 ]

Extramedullary Hematopoiesis

Mild

Inflammation

Chronic Active, Moderate

\* Spleen

Tooth

Animal Note: TGL 6 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1342

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Prostate               | * Seminal Vesicle          | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord            | * Spleen                   | * Stomach, Forestomach      |
| * Stomach, Glandular        | Testis                   | * Thymus                   | * Thyroid Gland             |
| * Trachea                   | * Urinary Bladder        |                            |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                     |  |                        |                       |
|---------------------|--|------------------------|-----------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Minimal               |
| * Brain             |  | Mineral                | Mild                  |
| * Epididymis        |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Harderian Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney            |  | Nephropathy            | Chronicprogr, Minimal |
|                     | [ Nephropathy TGLs = 1-13 ]            |                        |                       |
| * Liver             |  | Clear Cell Focus       |                       |
|                     |  | Fatty Change           | Mild                  |
|                     |  | Hepatocellular Adenoma |                       |
|                     | [ Clear Cell Focus TGLs = 2-12 ]       |                        |                       |
|                     | [ Hepatocellular Adenoma TGLs = 3-19 ] |                        |                       |
| * Parathyroid Gland |  |                        |                       |
|                     | Note: One parathyroid gland examined.  |                        |                       |
| * Preputial Gland   | Duct                                   | Dilation               | Moderate              |
|                     |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1343

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                          |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                    | * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              |
| * Eye                      | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Nose                   |
| * Pancreas                 | * Parathyroid Gland         | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                 | * Seminal Vesicle           | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord              | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| Testis                     | * Thymus                    | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                             |                             |                          |

MISSING

- |               |                 |                    |
|---------------|-----------------|--------------------|
| * Gallbladder | * Mammary Gland | * Nerve Trigeminal |
|---------------|-----------------|--------------------|

OBSERVATIONS

- |                             |  |                              |                       |
|-----------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex            | Subcapsular                                  | Hyperplasia                  | Minimal               |
| * Kidney                    |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                     | Bile Duct                                    | Cyst                         |                       |
|                             |  | Hepatocellular Adenoma       | Multiple              |
|                             | [ Cyst TGLs = 1-12 ]                         |                              |                       |
|                             | [ Hepatocellular Adenoma TGLs = 2-12, 3-12 ] |                              |                       |
| * Lung                      |  | Alveolar/Bronchiolar Adenoma |                       |
| * Lymph Node, Mesenteric    |  | Infiltration Cellular        | Histiocyte, Mild      |
| * Parathyroid GI            |  |                              |                       |
|                             | Note: One parathyroid gland examined.        |                              |                       |
| * Peripheral Nerve, Sciatic | Axon   | Degeneration                 | Minimal               |
| * Salivary Glands           |  | Infiltration Cellular        | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1344

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1344

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	Testis	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Nerve Trigeminal	* Pituitary Gland
-----------------	--------------------	-------------------

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
--------------------------	--------------------------	---------------------------	--------------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
[ Alveolar/Bronchiolar Carcinoma	TGLs = 1-10 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1345

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Prostate
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Preputial Gland
- \* Spinal Cord
- Testis

MISSING

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Brain
- \* Harderian Gland
- \* Heart
- \* Kidney
- \* Liver
- [ Hepatocellular Adenoma TGLs = 5-12 ]
- [ Hepatocellular Carcinoma TGLs = 4-12 ]
- \* Lung
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands
- \* Seminal Vesicle
- [ Dilation TGLs = 3-16 ]
- \* Urinary Bladder
- Mineral
- Infiltration Cellular
- Cardiomyopathy
- Nephropathy
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Congestion
- Infiltration Cellular
- Dilation
- Infiltration Cellular
- Mild
- Lymphocyte, Minimal
- Mild
- Chronicprogr, Minimal
- Moderate
- Lymphocyte, Minimal
- Mild
- Lymphocyte, Minimal

Animal Note: TGL 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1346

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal        | * Nose                      | * Pancreas               |
| * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Preputial Gland           | * Prostate               |
| * Seminal Vesicle           | * Skeletal Muscle         | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | Testis                   |
| * Thymus                    | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia            | Minimal               |
| * Brain           |  | Mineral                | Minimal               |
| * Kidney          | Interstitium   | Infiltration Cellular  | Lymphocyte, Minimal   |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Fatty Change           | Mild                  |
|                   |  | Hepatocellular Adenoma | Multiple              |
|                   | [ Hepatocellular Adenoma TGLs = 2-12, 3-19, 4-20, 5-21 ] |                        |                       |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| Tooth             |  | Dysplasia              | Mild                  |

Animal Note: TGL 1 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1347

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1347

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone                    | * Brain Trigeminal Ganglion |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Nerve Trigeminal         | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Stomach, Forestomach   | * Stomach, Glandular       | Testis                    | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |   |              |                       |                      |
|---|--------------|-----------------------|----------------------|
| * Adrenal Cortex                            | Subcapsular  | Hyperplasia           | Minimal              |
| * Adren Medulla                             |              |                       |                      |
| Note: One adrenal medulla examined.         |              |                       |                      |
| * Bone Marrow                               |              | Leukemia Granulocytic |                      |
| * Brain                                     |              | Mineral               | Mild                 |
| * Epididymis                                |              | Infiltration Cellular | Lymphocyte, Mild     |
| * Heart                                     |              | Leukemia Granulocytic |                      |
| * Kidney                                    | Interstitium | Infiltration Cellular | Lymphocyte, Minimal  |
|   |              | Leukemia Granulocytic |                      |
|   |              | Nephropathy           | Chronicprogr, Mild   |
| * Liver                                     |              | Leukemia Granulocytic |                      |
| [ Leukemia Granulocytic TGLs = 3-12, 4-12 ] |              |                       |                      |
| * Lung                                      |              | Leukemia Granulocytic |                      |
| * Parathyroid GI                            |              |                       |                      |
| Note: One parathyroid gland examined.       |              |                       |                      |
| * Peripheral Nerve, Sciatic                 | Axon         | Degeneration          | Minimal              |
| * Seminal Vesicle                           | Bilateral    | Dilation              | Mild                 |
|   |              | Inflammation          | Chronic Active, Mild |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 1347

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1347

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Leukemia Granulocytic

[ Dilation TGLs = 1-16 ]

Leukemia Granulocytic

\* Spleen

[ Leukemia Granulocytic TGLs = 2-12 ]

Leukemia Granulocytic

\* Thymus

---

PRIMARY CAUSE OF DEATH

- Liver Leukemia Granulocytic

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1349

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nerve Trigeminal          | * Nose                      | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                  | * Seminal Vesicle           | * Skin                      | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular        | Testis                   |
| * Thymus                    | * Thyroid Gland             | * Trachea                   |                          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                          |                       |
|-------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex  |  | Hypertrophy              | Focal, Mild           |
| * Brain           |  | Mineral                  | Minimal               |
| * Kidney          | Interstitialium                          | Infiltration Cellular    | Lymphocyte, Mild      |
|                   |  | Nephropathy              | Chronicprogr, Minimal |
| * Liver           |  | Hepatocellular Adenoma   |                       |
|                   |  | Hepatocellular Carcinoma |                       |
|                   | [ Hepatocellular Adenoma TGLs = 2-12 ]   |                          |                       |
|                   | [ Hepatocellular Carcinoma TGLs = 1-12 ] |                          |                       |
| * Parathyroid GI  |  |                          |                       |
|                   | Note: One parathyroid gland examined.    |                          |                       |
| * Salivary Glands |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Skeletal Muscle |  | Infiltration Cellular    | Lymphocyte, Mild      |
| * Urinary Bladder |  | Infiltration Cellular    | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1350

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Prostate
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Skin
- Testis

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Minimal
- \* Brain Mineral Minimal
- \* Intestine Small, Ileum Lymphoma Malignant TGLs = 7-15 ] Lymphoma Malignant
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Hepatocellular Adenoma Chronicprogr, Minimal
- \* Liver Hepatocellular Carcinoma TGLs = 4-19, 5-20, 6-21 ] Hepatocellular Carcinoma Multiple
- \* Lung Hepatocellular Carcinoma Metastatic (Liver)
- \* Lymph Node, Mesenteric Lymphoma Malignant TGLs = 3-15 ] Lymphoma Malignant
- \* Peripheral Nerve, Sciatic Axon Degeneration Minimal
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Seminal Vesicle Bilateral Dilatation Moderate
- \* Seminal Vesicle Dilatation TGLs = 1-16 ] Dilatation
- \* Skeletal Muscle Infiltration Cellular Lymphocyte, Minimal
- \* Spleen Extramedullary Hematopoiesis Mild
- Hyperplasia Lymphoid, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1350

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1350

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

[ Hyperplasia TGLs = 2-12 ]

Tooth

Dysplasia

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1351

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1351

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nerve Trigeminal	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testis	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Epididymis		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
	[ Clear Cell Focus TGLs = 2-12 ]		
	[ Hepatocellular Adenoma TGLs = 1-12 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Cyst	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1352

TRT#: 7

SEX: Male

DAY ON TEST: 416

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                          |                             |                          |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla        | * Bone                      | * Epididymis             |
| * Esophagus                | * Eye                    | * Gallbladder               | * Harderian Gland        |
| * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum   | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Nerve Trigeminal         | * Nose                   | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Preputial Gland          | * Prostate               | * Salivary Glands           | * Seminal Vesicle        |
| * Skeletal Muscle          | * Skin                   | * Spinal Cord               | * Stomach, Forestomach   |
| * Stomach, Glandular       | Testis                   | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                          |                             |                          |

MISSING

- |         |                             |                 |                     |
|---------|-----------------------------|-----------------|---------------------|
| * Aorta | * Brain Trigeminal Ganglion | * Mammary Gland | * Parathyroid Gland |
|---------|-----------------------------|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

OBSERVATIONS

- |               |   |                     |         |
|---------------|---|---------------------|---------|
| * Bone Marrow |   | Histiocytic Sarcoma |         |
| * Brain       |   | Mineral             | Minimal |
| * Heart       |   | Histiocytic Sarcoma |         |
|               | Myocardium                                | Mineral             | Minimal |
| * Kidney      |   | Histiocytic Sarcoma |         |
| * Liver       |   | Histiocytic Sarcoma |         |
|               | [ Histiocytic Sarcoma TGLs = 4-12, 5-12 ] |                     |         |
| * Lung        |   | Histiocytic Sarcoma |         |
|               | [ Histiocytic Sarcoma TGLs = 6-10 ]       |                     |         |
| * Pancreas    |   | Histiocytic Sarcoma |         |
| * Spleen      |   | Histiocytic Sarcoma |         |
|               | [ Histiocytic Sarcoma TGLs = 1-12, 2-12 ] |                     |         |
| * Thymus      |   | Histiocytic Sarcoma |         |

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1352

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 416

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1352

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

- Spleen Histiocytic Sarcoma

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1353

TRT#: 7

SEX: Male

DAY ON TEST: 634

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Stomach, Glandular
- \* Trachea
- \* Aorta
- \* Epididymis
- \* Heart
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Preputial Gland
- \* Skeletal Muscle
- Testis
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Liver
- \* Nose
- \* Prostate
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Parathyroid Gland
- \* Pituitary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Spleen
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- \* Kidney    Metaplasia                                      Osseous
- \* Stomach, Forestomach                      Epithelium                                      Hyperplasia                                      Diffuse, Mild

PRIMARY CAUSE OF DEATH                      - UNCERTAIN

Animal Note: TGLs 1-6 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1355

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1355

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nerve Trigeminal	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thyroid Gland	* Trachea		

**MISSING**

* Intestine Large, Colon	* Mammary Gland
--------------------------	-----------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Kidney	Renal Tubule	Cyst	
		Mineral	Mild
		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[ Clear Cell Focus TGLs = 6-12 ]		
	[ Hepatocellular Adenoma TGLs = 5-12 ]		
	[ Mixed Cell Focus TGLs = 4-19 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLs = 3-6 ]		
* Parathyroid GI			
Note: One parathyroid gland examined.			
* Spleen		Hemangiosarcoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1355

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1355

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Histiocytic Sarcoma

Hyperplasia

Lymphoid, Mild

[ Hemangiosarcoma TGLs = 2-12 ]

[ Histiocytic Sarcoma TGLs = 1-12 ]

[ Hyperplasia TGLs = 2-12 ]

\* Thymus

\* Urinary Bladder

Cyst

Infiltration Cellular

Lymphocyte, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1356

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- Testis
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Seminal Vesicle
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Preputial Gland
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Moderate
- \* Brain                                      Mineral                                      Minimal
- \* Epididymis                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Minimal
- Metaplasia                                      Osseous
- Nephropathy                                      Chronicprogr, Minimal
- \* Liver    Clear Cell Focus                              Fatty Change                              Moderate
- [ Clear Cell Focus    TGLs = 1-12 ]
- \* Lung    Alveolar/Bronchiolar Adenoma                      Hyperplasia                              Focal, Mild
- [ Alveolar/Bronchiolar Adenoma    TGLs = 2-10 ]
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Thymus    Cyst
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1357

TRT#: 7

SEX: Male

DAY ON TEST: 518

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Epididymis
- \* Bone
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Esophagus
- \* Kidney
- \* Liver
- \* Lymph Node, Mesenteric
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Mammary Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Preputial Gland
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Testis
- \* Thymus
- \* Stomach, Forestomach
- \* Trachea
- \* Urinary Bladder
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Brain
- \* Lung
- Mineral
- Alveolar/Bronchiolar Carcinoma
- Infiltration Cellular
- Minimal
- Histiocyte, Moderate

[ Alveolar/Bronchiolar Carcinoma TGLs = 3-19 ]  
 [ Infiltration Cellular TGLs = 1-10,1-19, 2-10, 2-19, 4-10, 4-19, 5-10, 5-19 ]

\* Thyroid GI

Note: One thyroid gland examined.

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Lung Infiltration Cellular

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1358

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Prostate                  | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                          |                 |                    |
|--------------------------|-----------------|--------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Nerve Trigeminal |
|--------------------------|-----------------|--------------------|

OBSERVATIONS

- |  |                        |  |   |
|--|------------------------|--|---|
| * Adrenal Cortex<br>Note: One adrenal cortex examined.                                   | Subcapsular            | Hyperplasia  | Minimal   |
| * Adren Medulla<br>Note: One adrenal medulla examined.                                   |                        |  |   |
| * Brain  |                        | Mineral  | Minimal   |
| * Harderian Gland  |                        | Infiltration Cellular  | Lymphocyte, Mild                                  |
| * Kidney   | Pelvis<br>Interstitium | Dilation<br>Infiltration Cellular<br>Nephropathy                     | Mild<br>Lymphocyte, Mild<br>Chronicprogr, Minimal |
| * Liver  |                        | Hepatoblastoma<br>Hepatocellular Adenoma<br>Hepatocellular Carcinoma | Multiple  |
| [ Hepatocellular Adenoma TGLs = 5-20 ]<br>[ Hepatocellular Carcinoma TGLs = 3-12, 4-12 ] |                        |  |   |
| * Lung<br>[ Alveolar/Bronchiolar Adenoma TGLs = 6-10 ]                                   |                        | Alveolar/Bronchiolar Adenoma   |   |
| * Lymph Node, Mesenteric   |                        | Hemorrhage   | Mild  |
| * Parathyroid GI<br>Note: One parathyroid gland examined.                                |                        |  |   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1358

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1358

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Duct	Dilation	Mild
		Infiltration Cellular	Lymphocyte, Mild
	Duct	Inflammation	Chronic Active, Mild
	[ Dilation TGLs = 1-16 ]		
	[ Inflammation TGLs = 1-16 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Seminal Vesicle		Dilation	Mild
	[ Dilation TGLs = 2-16 ]		
* Spleen		Extramedullary Hematopoiesis	Mild
* Thymus			

Note: Thymus tissue on slide 7

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1359

TRT#: 7

SEX: Male

DAY ON TEST: 737

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Epididymis
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Spleen
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular Adenoma
  - Subcapsular Hyperplasia Mild
  - Hypertrophy Focal, Mild
- \* Brain
  - Mineral Mild
- \* Eye
  - [ Atrophy TGLs = 5-5 ] Atrophy Marked
- \* Harderian Gland
  - [ Adenocarcinoma TGLs = 6-5 ] Adenocarcinoma
- \* Intestine Small, Jejunum
  - Adenoma
- \* Kidney
  - Renal Tubule Cyst
  - Renal Tubule Mineral Minimal
  - Nephropathy Chronicprogr, Minimal
- \* Liver
  - Basophilic Focus
  - Clear Cell Focus
  - Fatty Change Mild
  - [ Basophilic Focus TGLs = 4-19 ]
  - [ Clear Cell Focus TGLs = 3-12 ]
- \* Lymph Node, Mesenteric
  - Hemorrhage Mild
- \* Parathyroid Gland
  - Cyst

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1359

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1359

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

* Preputial Gland	Bilateral, Duct	Dilation	Mild
[ Dilation TGLs = 1-16, 2-16 ]			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Moderate
Testis	Germ Cell	Degeneration	Minimal
* Thymus		Cyst	
Tooth		Dysplasia	Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1360

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1360

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Epididymis              | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular    |
| * Nerve Trigeminal          | * Nose                    | * Pancreas                  | * Peripheral Nerve, Sciatic |
| * Prostate                  | * Seminal Vesicle         | * Skeletal Muscle           | * Skin                      |
| * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular        |
| Testis                      | * Thymus                  | * Thyroid Gland             | * Trachea                   |

**MISSING**

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

**INSUFFICIENT TISSUE**

- \* Pituitary Gland

**OBSERVATIONS**

- |                          |                                    |                       |                       |
|--------------------------|------------------------------------|-----------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia           | Mild                  |
| * Brain                  |                                    | Mineral               | Mild                  |
| * Kidney                 | Glomerulus                         | Cyst                  |                       |
|                          |                                    | Infarct               | Mild                  |
|                          | Interstitium                       | Infiltration Cellular | Lymphocyte, Mild      |
|                          | Renal Tubule                       | Mineral               | Minimal               |
|                          |                                    | Nephropathy           | Chronicprogr, Minimal |
| * Liver                  |                                    | Clear Cell Focus      |                       |
|                          |                                    | Eosinophilic Focus    |                       |
|                          |                                    | Fatty Change          | Moderate              |
|                          | [ Clear Cell Focus TGLs = 1-12 ]   |                       |                       |
|                          | [ Eosinophilic Focus TGLs = 2-12 ] |                       |                       |
| Lymph Node               | Mediastinal                        | Hyperplasia           | Lymphoid, Minimal     |
|                          | [ Hyperplasia TGLs = 3-19 ]        |                       |                       |
| * Lymph Node, Mesenteric |                                    | Hemorrhage            | Mild                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1360

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1360

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Preputial Gland

Infiltration Cellular

Lymphocyte, Minimal

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1361

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Prostate	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testis
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Nerve Trigeminal	* Parathyroid Gland
-----------------	--------------------	---------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronicprogr, Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
	[ Clear Cell Focus TGLs = 6-12, 7-12 ]		
	[ Hepatocellular Adenoma TGLs = 3-19, 4-12, 5-12 ]		
* Preputial Gland		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Seminal Vesicle	Bilateral	Dilation	Mild
Tooth		Dysplasia	Moderate

Animal Note: TGLs 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1362

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Nerve Trigeminal         |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Prostate                  | * Seminal Vesicle           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Glandular     | Testis                     |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                |              |                       |                       |
|--------------------------------|--------------|-----------------------|-----------------------|
| * Adrenal Cortex               | Subcapsular  | Hyperplasia           | Mild                  |
| * Brain                        |              | Mineral               | Minimal               |
| * Harderian Gland              |              | Adenocarcinoma        |                       |
| * Kidney                       | Renal Tubule | Cyst                  |                       |
|                                |              | Metaplasia            | Osseous               |
|                                |              | Nephropathy           | Chronicprogr, Minimal |
| * Liver                        |              | Hepatoblastoma        |                       |
| [ Hepatoblastoma TGLs = 2-12 ] |              |                       |                       |
| * Peripheral Nerve, Sciatic    | Axon         | Degeneration          | Minimal               |
| * Preputial Gland              |              | Infiltration Cellular | Lymphocyte, Mild      |
| * Salivary Glands              |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Stomach, Forestomach         |              | Ulcer                 | Moderate              |
| * Thymus                       |              | Cyst                  |                       |
| Tooth                          |              | Dysplasia             | Mild                  |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1363

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder               |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Preputial Gland        | * Prostate                 | * Salivary Glands           |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | Testis                     | * Thymus                    |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                        |                       |
|-------------------|--|------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                            | Adenoma                |                       |
|                   | Subcapsular                            | Hyperplasia            | Mild                  |
| * Brain           |  | Mineral                | Mild                  |
| * Epididymis      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Heart           | Myocardium                             | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney          |  | Infarct                | Mild                  |
|                   |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver           |  | Clear Cell Focus       |                       |
|                   |  | Hepatocellular Adenoma |                       |
|                   | [ Clear Cell Focus TGLs = 4-12, 5-12 ] |                        |                       |
|                   | [ Hepatocellular Adenoma TGLs = 3-12 ] |                        |                       |
| Mesentery         | Fat                                    | Necrosis               | Moderate              |
|                   | [ Necrosis TGLs = 2-6 ]                |                        |                       |
| * Parathyroid GI  |  |                        |                       |
|                   | Note: One parathyroid gland examined.  |                        |                       |
| * Seminal Vesicle | Bilateral                              | Dilation               | Mild                  |
|                   | [ Dilation TGLs = 1-16 ]               |                        |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1363

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1363

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

Moderate

[ Dysplasia TGLs = 6-18 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1364

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Prostate
- \* Skin
- Testis
- \* Urinary Bladder
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Salivary Glands
- \* Spinal Cord
- \* Thymus

MISSING

- \* Mammary Gland
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Mild
- \* Epididymis Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Nephropathy Chronicprogr, Mild
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 4-12 ]
- [ Hepatocellular Carcinoma TGLs = 5-20 ]
- \* Lung Hepatocellular Carcinoma Metastatic (Liver)
- Alveolar Epith Hyperplasia Focal, Mild
- Lymph Node Bronchial Hyperplasia Lymphoid, Mild
- [ Hyperplasia TGLs = 6-19 ]
- \* Lymph Node, Mesenteric Hemorrhage Mild
- [ Hemorrhage TGLs = 2-15 ]
- Mesentery Fat Necrosis Moderate
- [ Necrosis TGLs = 3-6 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1364

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1364

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
		Inflammation	Chronic Active, Mild
* Preputial Gland		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Mild
[ Extramedullary Hematopoiesis TGLs = 1-12 ]			

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                             |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla          | * Bone                    | * Bone Marrow               | * Brain Trigeminal Ganglion |
| * Esophagus                | * Eye                     | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    | * Mammary Gland             |
| * Nose                     | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland          | * Skeletal Muscle         | * Skin                      | * Spinal Cord               |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland             |
| * Trachea                  |                           |                             |                             |

MISSING

- |                  |                          |                    |
|------------------|--------------------------|--------------------|
| * Clitoral Gland | * Lymph Node, Mandibular | * Nerve Trigeminal |
|------------------|--------------------------|--------------------|

OBSERVATIONS

- |                      |  |                              |                          |
|----------------------|--|------------------------------|--------------------------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia                  | Moderate                 |
| * Aorta              |  | Inflammation                 | Chronic Active, Moderate |
| * Brain              |  | Mineral                      | Mild                     |
| * Gallbladder        |  | Infiltration Cellular        | Lymphocyte, Mild         |
| * Harderian Gland    |  | Infiltration Cellular        | Lymphocyte, Minimal      |
| * Islets, Pancreatic |  | Infiltration Cellular        | Lymphocyte, Minimal      |
| * Kidney             | Interstitial                           | Infiltration Cellular        | Lymphocyte, Mild         |
| * Liver              |  | Nephropathy                  | Chronicprogr, Mild       |
|                      |  | Extramedullary Hematopoiesis | Minimal                  |
|                      |  | Hepatocellular Adenoma       |                          |
|                      |  | Necrosis                     | Moderate                 |
|                      | [ Hepatocellular Adenoma TGLs = 4-19 ] |                              |                          |
| * Ovary              |  | Hemangioma                   |                          |
|                      | [ Hemangioma TGLs = 1-16 ]             |                              |                          |
| * Parathyroid GI     | Note: One parathyroid gland examined.  |                              |                          |
| * Pituitary GI       | Note: Pars distalis examined.          |                              |                          |
| * Salivary Glands    |  | Infiltration Cellular        | Lymphocyte, Minimal      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 107

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-107

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Spleen		Extramedullary Hematopoiesis	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Dilation TGLs = 2-16 ]		
	[ Hyperplasia TGLs = 2-16 ]		

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 638

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal       |
| * Nose                      | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland           | * Salivary Glands         | * Skeletal Muscle           | * Spinal Cord            |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland             | * Trachea                 | * Urinary Bladder           | * Uterus                 |

OBSERVATIONS

- |                                 |               |                       |                     |
|---------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                | Subcapsular   | Hyperplasia           | Moderate            |
| * Brain                         |               | Mineral               | Mild                |
| * Liver                         |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                |               |                       |                     |
| Note: One parathyroid examined. |               |                       |                     |
| * Peripheral Nerve, Sciatic     | Axon          | Degeneration          | Mild                |
| * Skin                          | Hair Follicle | Atrophy               | Moderate            |
- [ Atrophy TGLs = 3-19 ]

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGLS 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Mammary Gland           | * Nerve Trigeminal          | * Nose                      |
| * Ovary                     | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands         | * Skeletal Muscle           | * Skin                      |
| * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular        |
| * Thyroid Gland             | * Trachea                 |                             |                             |

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Mild                |
| * Kidney                              | Renal Tubule | Dilation              | Minimal             |
|                                       |              | Infarct               | Mild                |
| * Liver                               | Interstitial | Infiltration Cellular | Lymphocyte, Mild    |
| * Ovary                               |              | Infiltration Cellular | Lymphocyte, Minimal |
| Note: One ovary examined.             |              |                       |                     |
| * Parathyroid GI                      |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Thymus                              |              | Cyst                  |                     |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                     |

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 110

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-110

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nerve Trigeminal	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Mild
* Liver		Mixed Cell Focus	
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Parathyroid Gland			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Dilation TGLs = 1-16 ]		
	[ Hyperplasia TGLs = 1-16 ]		

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 111

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Gallbladder
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Angiectasis
    - Hyperplasia
    - Mineral
- \* Brain
- \* Clitoral GI
  - Note: One clitoral gland examined.
- \* Kidney
  - Interstitial
    - Infiltration Cellular
- \* Liver
  - Hepatocellular Adenoma
    - TGLs = 1-12 ]
    - Infiltration Cellular
- \* Ovary
  - Follicle
    - Cyst
- \* Pancreas
- \* Peripheral Nerve, Sciatic
  - Axon
    - Degeneration
- \* Salivary Glands
- \* Urinary Bladder
- \* Uterus
  - Endometrium
    - Infiltration Cellular
    - Hyperplasia

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 112

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            |
| * Trachea                   |                             |                          |                            |

OBSERVATIONS

- |                   |  |                          |                      |
|-------------------|--|--------------------------|----------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia              | Mild                 |
| * Brain           |  | Mineral                  | Mild                 |
| * Harderian Gland |  | Infiltration Cellular    | Lymphocyte, Minimal  |
| * Kidney          |  | Infarct                  | Minimal              |
|                   | Interstitial                             | Infiltration Cellular    | Lymphocyte, Mild     |
| * Liver           |  | Fatty Change             | Minimal              |
|                   |  | Hepatocellular Adenoma   |                      |
|                   |  | Hepatocellular Carcinoma |                      |
|                   | [ Hepatocellular Carcinoma TGLs = 2-12 ] |                          |                      |
| * Lung            |  | Infiltration Cellular    | Lymphocyte, Mild     |
| * Ovary           |  |                          |                      |
|                   | Note: One ovary examined.                |                          |                      |
| * Pituitary Gland | Pars Distalis                            | Adenoma                  |                      |
|                   | [ Adenoma TGLs = 3-4 ]                   |                          |                      |
| * Salivary Glands |  | Infiltration Cellular    | Lymphocyte, Mild     |
| * Skeletal Muscle |  | Infiltration Cellular    | Lymphocyte, Minimal  |
| * Thymus          |  | Hyperplasia              | Lymphoid, Mild       |
| * Urinary Bladder |  | Infiltration Cellular    | Lymphocyte, Moderate |
| * Uterus          | Endometrium                              | Hyperplasia              | Cystic, Mild         |
|                   | [ Hyperplasia TGLs = 1-16 ]              |                          |                      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 113

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                               |              |                              |                     |
|-------------------------------|--------------|------------------------------|---------------------|
| * Adrenal Cortex              | Subcapsular  | Hyperplasia                  | Mild                |
| * Brain                       |              | Mineral                      | Minimal             |
| * Harderian Gland             |              | Infiltration Cellular        | Lymphocyte, Minimal |
| * Heart                       | Valve        | Thrombus                     | Moderate            |
| * Kidney                      | Interstitium | Infiltration Cellular        | Lymphocyte, Minimal |
| * Liver                       |              | Infiltration Cellular        | Lymphocyte, Minimal |
| * Pituitary Gl                |              |                              |                     |
| Note: Pars distalis examined. |              |                              |                     |
| * Spleen                      |              | Extramedullary Hematopoiesis | Mild                |
| * Uterus                      | Endometrium  | Hyperplasia                  | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

Animal Note: TGLs 2 & 3 = NCL

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-114

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Rectum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nerve Trigeminal	* Nose	* Ovary	* Pancreas
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

**MISSING**

* Aorta	* Brain Trigeminal Ganglion	* Mammary Gland	* Parathyroid Gland
---------	-----------------------------	-----------------	---------------------

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

**INSUFFICIENT TISSUE**

* Thymus	* Urinary Bladder
----------	-------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
	Valve	Hemorrhage	Mild
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Carcinoma	
		Infiltration Cellular	Lymphocyte, Mild

[ Hepatocellular Carcinoma TGLs = 1-12 ]

\* Ovary  
 Note: One ovary examined.

* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Marked

[ Extramedullary Hematopoiesis TGLs = 5-12 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 114

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 656

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-114

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Dilation

Mild

---

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

---

Animal Note: TGLs 2, 3, 4, 6, & 7 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 752

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Nose
- \* Spinal Cord
- \* Thymus

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |  |   |  |   |
|--|---|--|---|
| <ul style="list-style-type: none"> <li>* Adrenal Cortex</li> <li>* Brain</li> <li>* Clitoral Gland</li> <li>* Harderian Gland</li> <li>* Islets, Pancreatic</li> <li>* Kidney</li> <li>* Liver</li> <li>* Lung</li> <li>* Pancreas</li> <li>* Salivary Glands</li> <li>* Skeletal Muscle</li> <li>* Skin</li> <li>* Urinary Bladder</li> <li>* Uterus</li> </ul> | <ul style="list-style-type: none"> <li>Subcapsular</li> <li>Interstitial</li> <li>Subcut Tiss</li> <li>Endometrium</li> </ul> | <ul style="list-style-type: none"> <li>Hyperplasia</li> <li>Mineral</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Nephropathy</li> <li>Basophilic Focus</li> <li>Infiltration Cellular</li> <li>Alveolar/Bronchiolar Adenoma</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Fibroma</li> <li>Infiltration Cellular</li> <li>Hyperplasia</li> </ul> | <ul style="list-style-type: none"> <li>Mild</li> <li>Mild</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Mild</li> <li>Chronicprogr, Mild</li> <li>Lymphocyte, Mild</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Moderate</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Cystic, Moderate</li> </ul> |
|--|---|--|---|
- [ Fibroma TGLs = 1-19 ]
- [ Hyperplasia TGLs = 2-16 ]

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 116

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone Marrow            | * Brain Trigeminal Ganglion |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland         | * Salivary Glands           | * Skeletal Muscle        | * Skin                      |
| * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular        |
| * Thymus                  | * Thyroid Gland             | * Trachea                |                             |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                                     |              |                       |                     |
|-------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular  | Hyperplasia           | Moderate            |
| * Bone                              |              | Fibro-Osseous Lesion  | Mild                |
| * Brain                             |              | Mineral               | Mild                |
| * Harderian GI                      |              |                       |                     |
| Note: One Harderian gland examined. |              |                       |                     |
| * Kidney                            | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                             |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary                             |              | Thecoma Malignant     |                     |
| [ Thecoma Malignant TGLs = 1-16 ]   |              |                       |                     |
| * Pituitary GI                      |              |                       |                     |
| Note: Pars distalis examined.       |              |                       |                     |
| * Urinary Bladder                   |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                            | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 2-16 ]         |              |                       |                     |

Animal Note: TGL 3 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 752

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                | * Eye                     | * Heart                     |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Salivary Glands           | * Skin                     | * Spinal Cord             | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                   | * Thyroid Gland           | * Trachea                   |

MISSING

- \* Gallbladder

OBSERVATIONS

- |                     |  |                          |                     |
|---------------------|--|--------------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                              | Hyperplasia              | Mild                |
| * Brain             |  | Mineral                  | Minimal             |
| * Clitoral Gland    |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Harderian Gland   |  | Infiltration Cellular    | Lymphocyte, Mild    |
| * Kidney            | Interstitium                             | Infiltration Cellular    | Lymphocyte, Mild    |
|                     |  | Nephropathy              | Chronicprogr, Mild  |
| * Liver             |  | Hepatocellular Carcinoma |                     |
|                     |  | Infiltration Cellular    | Lymphocyte, Mild    |
|                     | [ Hepatocellular Carcinoma TGLs = 3-12 ] |                          |                     |
| * Ovary             | Follicle                                 | Cyst                     |                     |
| * Parathyroid Gland |  |                          |                     |
|                     | Note: One parathyroid gland examined.    |                          |                     |
| * Pituitary Gland   | Pars Distalis                            | Hyperplasia              | Focal, Moderate     |
| * Skeletal Muscle   |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Spleen            |  | Hyperplasia              | Lymphoid, Moderate  |
|                     | [ Hyperplasia TGLs = 2-12 ]              |                          |                     |
| * Urinary Bladder   |  | Infiltration Cellular    | Lymphocyte, Mild    |
| * Uterus            | Endometrium                              | Hyperplasia              | Cystic, Mild        |
|                     | [ Hyperplasia TGLs = 1-16 ]              |                          |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Bone Marrow                                                                Hypercellularity                      Moderate
- \* Brain                                                                Mineral                      Mild
- \* Clitoral Gland                                                                Infiltration Cellular                      Lymphocyte, Minimal
- \* Harderian Gland                                                                Infiltration Cellular                      Lymphocyte, Minimal
- \* Islets, Pancreatic                                                                Carcinoma
- [ Carcinoma    TGLs = 3-20 ]
- \* Kidney                                           Interstitium                      Infiltration Cellular                      Lymphocyte, Minimal
- Nephropathy                      Chronicprogr, Minimal
- \* Liver                                                                Hepatocellular Carcinoma                      Multiple
- [ Hepatocellular Carcinoma    TGLs = 4-19, 5-12 ]
- \* Lung                                                                Hepatocellular Carcinoma                      Metastatic (Liver)
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands                                                                Infiltration Cellular                      Lymphocyte, Mild
- \* Spleen                                                                Extramedullary Hematopoiesis                      Moderate
- [ Extramedullary Hematopoiesis    TGLs = 2-12 ]
- \* Urinary Bladder                                                                Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                                                                Dilatation                      Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 118

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-118

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Nose
- \* Ovary
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Harderian Gland
  - \* Kidney
  - \* Liver
  - \* Lung
  - \* Pancreas
  - \* Salivary Glands
  - \* Skeletal Muscle
  - \* Thyroid Gland
    - Note: One thyroid gland examined.
  - \* Urinary Bladder
  - \* Uterus
- [ Dilation TGLs = 1-16 ]
- [ Hyperplasia TGLs = 1-16 ]

Interstitialium

Infiltration Cellular Lymphocyte, Minimal

Infiltration Cellular Lymphocyte, Minimal

Nephropathy Chronicprogr, Mild

Infiltration Cellular Lymphocyte, Minimal

Alveolar/Bronchiolar Adenoma

Infiltration Cellular Lymphocyte, Minimal

Infiltration Cellular Lymphocyte, Mild

Infiltration Cellular Lymphocyte, Minimal

Infiltration Cellular Lymphocyte, Mild

Dilation Mild

Hyperplasia Cystic, Moderate

Endometrium

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-120

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain                   | * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                |
| * Eye                     | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Skin                    | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                |                            |

**MISSING**

- |               |                    |
|---------------|--------------------|
| * Gallbladder | * Nerve Trigeminal |
|---------------|--------------------|

**OBSERVATIONS**

- |                   |  |                              |                     |
|-------------------|--|------------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                                  | Hyperplasia                  | Moderate            |
| * Harderian Gland |  | Adenoma                      |                     |
| * Kidney          | Interstitium                                 | Infiltration Cellular        | Lymphocyte, Minimal |
| * Liver           |  | Hepatocellular Adenoma       | Multiple            |
|                   |  | Infiltration Cellular        | Lymphocyte, Mild    |
|                   | [ Hepatocellular Adenoma TGLs = 2-12, 3-12 ] |                              |                     |
|                   | Mesentery                                    | Fat                          | Necrosis            |
|                   | [ Necrosis TGLs = 4-19 ]                     |                              | Moderate            |
| * Ovary           |  |                              |                     |
|                   | Note: One ovary examined.                    |                              |                     |
| * Parathyroid GI  |  |                              |                     |
|                   | Note: One parathyroid gland examined.        |                              |                     |
| * Salivary Glands |  | Infiltration Cellular        | Lymphocyte, Minimal |
| * Spleen          |  | Extramedullary Hematopoiesis | Mild                |
| * Urinary Bladder |  | Infiltration Cellular        | Lymphocyte, Mild    |
| * Uterus          |  | Dilation                     | Moderate            |
|                   | [ Dilation TGLs = 1-16 ]                     |                              |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 121

TRT#: 2

SEX: Female

DAY ON TEST: 551

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Lung
- \* Ovary
- \* Skin
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Bone
- \* Esophagus
- \* Heart
- \* Mammary Gland
- \* Pituitary Gland
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Nose
- \* Skeletal Muscle
- \* Trachea

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Parathyroid Gland
- Vagina

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Spleen
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Stomach, Forestomach
- \* Intestine Small, Duodenum
- \* Liver
- \* Stomach, Glandular
- \* Intestine Small, Ileum
- \* Pancreas
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Kidney    Interstitium                              Infiltration Cellular              Lymphocyte, Mild
- Metaplasia                                      Osseous
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Thyroid GI
- Note: One thyroid gland examined.
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Mild
- \* Uterus    Endometrium                              Cyst
- [ Cyst    TGLs = 1-16, 4-16, 5-16, 6-16 ]

PRIMARY CAUSE OF DEATH                      - UNCERTAIN

Animal Note: TGL 2 = NST; TGLs 3, 7, 8, 9, & 10 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 653

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Mesenteric

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Heart    Thrombus    Mild
- \* Kidney    Interstitium    Infiltration Cellular    Lymphocyte, Minimal
- \* Liver    Necrosis    Moderate
- [ Necrosis    TGLs = 5-12 ]
- \* Parathyroid Gland    Note: One parathyroid gland examined.
- \* Spleen    Extramedullary Hematopoiesis    Moderate
- [ Extramedullary Hematopoiesis    TGLs = 6-12 ]
- \* Thymus    Atrophy    Moderate
- \* Thyroid Gland    Note: One thyroid gland examined.
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Mild
- \* Uterus    Endometrium    Hyperplasia    Cystic, Mild
- [ Hyperplasia    TGLs = 2-16 ]

PRIMARY CAUSE OF DEATH                      - Liver    Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 122

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-122

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 1 & 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 123

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |                                 |   |   |
|---------------------------------------|---------------------------------|---|---|
| * Adrenal Cortex                      | Subcapsular                     | Hyperplasia                                     | Mild                                      |
| * Brain                               |                                 | Mineral   | Mild                                      |
| * Kidney                              | Renal Tubule<br>Interstitialium | Adenoma<br>Infiltration Cellular<br>Nephropathy | Lymphocyte, Mild<br>Chronicprogr, Minimal |
| * Liver                               |                                 | Hemorrhage<br>Inflammation                      | Mild<br>Focal, Mild                       |
| * Ovary                               |                                 | Cyst  |   |
| * Pancreas                            | Duct                            | Cyst  |   |
| [ Cyst TGLs = 2-20 ]                  |                                 |   |   |
| * Parathyroid GI                      |                                 |   |   |
| Note: One parathyroid gland examined. |                                 |   |   |
| * Urinary Bladder                     |                                 | Infiltration Cellular                           | Lymphocyte, Mild                          |
| * Uterus                              | Endometrium                     | Dilation<br>Hyperplasia                         | Mild<br>Cystic, Moderate                  |
| [ Dilation TGLs = 1-16 ]              |                                 |   |   |
| [ Hyperplasia TGLs = 1-16 ]           |                                 |   |   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 124

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Mammary Gland             |
| * Nose                      | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle           | * Skin                    | * Spinal Cord               | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular      | * Thyroid Gland             | * Trachea                   |

MISSING

- |                    |         |
|--------------------|---------|
| * Nerve Trigeminal | * Ovary |
|--------------------|---------|

INSUFFICIENT TISSUE

- \* Thymus

OBSERVATIONS

- |                                   |                 |                                |                      |
|-----------------------------------|-----------------|--------------------------------|----------------------|
| * Adrenal Cortex                  | Subcapsular     | Hyperplasia                    | Mild                 |
| * Brain                           |                 | Mineral                        | Mild                 |
| * Clitoral Gland                  |                 |                                |                      |
| Note: One clitoral gland missing. |                 |                                |                      |
| * Kidney                          |                 | Infarct                        | Mild                 |
|                                   | Interstitialium | Infiltration Cellular          | Lymphocyte, Mild     |
| * Liver                           |                 | Infiltration Cellular          | Lymphocyte, Minimal  |
|                                   |                 | Mixed Cell Focus               |                      |
| * Lung                            |                 | Alveolar/Bronchiolar Carcinoma |                      |
|                                   |                 | Infiltration Cellular          | Histiocyte, Moderate |
| [ Alveolar/Bronchiolar Carcinoma  | TGLs = 4-19 ]   |                                |                      |
| * Lymph Node, Mesenteric          |                 | Infiltration Cellular          | Histiocyte, Mild     |
| Mesentery                         | Fat             | Necrosis                       | Mild                 |
| [ Necrosis TGLs = 3-20 ]          |                 |                                |                      |
| * Pituitary Gland                 | Pars Distalis   | Cyst                           |                      |
| Note: Pars distalis examined      |                 |                                |                      |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 124

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-124

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

\* Urinary Bladder

\* Uterus

Infiltration Cellular

Infiltration Cellular

Dilation

Hyperplasia

Lymphocyte, Minimal

Lymphocyte, Minimal

Mild

Cystic, Moderate

Endometrium

[ Dilation TGLs = 2-16 ]

[ Hyperplasia TGLs = 2-16 ]

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Stomach, Forestomach
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Skeletal Muscle
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Skin
- \* Trachea
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Spinal Cord
- \* Urinary Bladder

MISSING

- \* Adrenal Cortex
- \* Parathyroid Gland
- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Ovary

OBSERVATIONS

- \* Brain Mineral Mild
- \* Harderian Gl
- Note: One Harderian gland examined.
- \* Heart Lymphoma Malignant Basophilic Focus Infiltration Cellular Necrosis Lymphocyte, Minimal Moderate
- \* Liver
- [ Basophilic Focus TGLs = 7-12 ]
- [ Necrosis TGLs = 4-19 ]
- Lymph Node Lymphoma Malignant
- Mesentery Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 3-7 ]
- \* Pancreas Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 2-6 ]
- \* Peripheral Nerve, Sciatic Axon Degeneration Minimal
- \* Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-125

ORGAN AND ACCOUNTABLE SITE STATUS

[ Adenoma TGLs = 6-4 ]

\* Salivary Glands

\* Spleen

\* Stomach, Glandular

\* Thymus

[ Lymphoma Malignant TGLs = 5-6 ]

\* Uterus

Endometrium

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

Infiltration Cellular

Hyperplasia

Cyst

Lymphoma Malignant

Dilation

Hyperplasia

Lymphocyte, Minimal

Lymphoid, Mild

Mild

Cystic, Moderate

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 126

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle         | * Skin                      | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland             | * Trachea                 |                             |                             |

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Mild                |
| * Kidney                              |              | Infarct               | Minimal             |
|                                       | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary                               | Follicle     | Cyst                  |                     |
| [ Cyst TGLs = 2-16 ]                  |              |                       |                     |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid Gland                       |              |                       |                     |
| Note: One thyroid gland examined.     |              |                       |                     |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              |              | Dilation              | Mild                |
|                                       | Endometrium  | Hyperplasia           | Cystic, Mild        |
| [ Dilation TGLs = 1-16 ]              |              |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                   | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Salivary Glands        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- |                  |         |
|------------------|---------|
| * Clitoral Gland | * Ovary |
|------------------|---------|

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Mild                |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |              | Infiltration Cellular | Lymphocyte, Minimal |
| Mesentery                             | Fat          | Necrosis              | Moderate            |
| [ Necrosis TGLs = 2-19 ]              |              |                       |                     |
| * Parathyroid GI                      |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Stomach, Glandular                  |              | Cyst                  |                     |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              |              | Dilation              | Mild                |
|                                       | Endometrium  | Hyperplasia           | Cystic, Mild        |
| [ Dilation TGLs = 1-16 ]              |              |                       |                     |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                             |                             |
|---------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone Marrow               | * Brain Trigeminal Ganglion |
| * Clitoral Gland          | * Esophagus                 | * Eye                       | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Liver                     | * Lung                      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal          | * Nose                      |
| * Ovary                   | * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland           |
| * Skeletal Muscle         | * Skin                      | * Spinal Cord               | * Spleen                    |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             |
| * Trachea                 |                             |                             |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                   |              |                       |                  |
|-----------------------------------|--------------|-----------------------|------------------|
| * Adrenal Cortex                  | Subcapsular  | Hyperplasia           | Minimal          |
| * Bone                            |              | Fibro-Osseous Lesion  | Mild             |
| * Brain                           |              | Mineral               | Mild             |
| * Kidney                          | Interstitium | Infiltration Cellular | Lymphocyte, Mild |
| Mesentery                         | Fat          | Necrosis              | Mild             |
| [ Necrosis TGLs = 2-19 ]          |              |                       |                  |
| * Salivary Glands                 |              | Infiltration Cellular | Lymphocyte, Mild |
| * Thyroid GI                      |              |                       |                  |
| Note: One thyroid gland examined. |              |                       |                  |
| * Urinary Bladder                 |              | Infiltration Cellular | Lymphocyte, Mild |
| * Uterus                          | Endometrium  | Hyperplasia           | Cystic, Moderate |
| [ Hyperplasia TGLs = 1-16 ]       |              |                       |                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Moderate
- \* Bone Fibro-Osseous Lesion Mild
- \* Brain Mineral Mild
- \* Intestine Small, Jejunum Peyers Patch Hyperplasia Lymphoid, Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Infiltration Cellular Lymphocyte, Minimal
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 3-19 ]
- \* Ovary Cyst
- [ Cyst TGLs = 2-16 ]
- \* Pancreas Infiltration Cellular Lymphocyte, Mild
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild
- \* Uterus Dilation Mild
- Endometrium Hyperplasia Cystic, Mild
- [ Dilation TGLs = 1-16 ]
- [ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone Marrow            | * Brain Trigeminal Ganglion |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung                      |
| * Lymph Node, Mandibular  | * Mammary Gland             | * Nose                   | * Ovary                     |
| * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Skin                   | * Spinal Cord               |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland             |
| * Trachea                 | * Urinary Bladder           |                          |                             |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                                     |              |                       |                     |
|-------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular  | Hyperplasia           | Mild                |
| Note: One adrenal cortex examined.  |              |                       |                     |
| * Adren Medulla                     |              |                       |                     |
| Note: One adrenal medulla examined. |              |                       |                     |
| * Bone                              |              | Fibro-Osseous Lesion  | Mild                |
| * Brain                             |              | Mineral               | Minimal             |
| * Harderian GI                      |              |                       |                     |
| Note: One Harderian gland examined. |              |                       |                     |
| * Intestine Small, Jejunum          |              | Histiocytic Sarcoma   |                     |
| [ Histiocytic Sarcoma TGLs = 5-14 ] |              |                       |                     |
| * Islets, Pancreatic                |              | Histiocytic Sarcoma   |                     |
| * Kidney                            | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                             |              | Histiocytic Sarcoma   |                     |
| [ Histiocytic Sarcoma TGLs = 7-12 ] |              |                       |                     |
| * Lymph Node, Mesenteric            |              | Histiocytic Sarcoma   |                     |
| [ Histiocytic Sarcoma TGLs = 6-15 ] |              |                       |                     |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-131

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinum		Histiocytic Sarcoma	
* Ovary			
Note: One ovary examined.			
* Pancreas		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLs = 4-6 ]			
* Parathyroid G1			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLs = 3-12 ]			
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[ Dilation TGLs = 2-16 ]			
[ Hyperplasia TGLs = 2-16 ]			

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                    | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                | * Eye                     | * Heart                     |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Mammary Gland            | * Nerve Trigeminal        | * Nose                      |
| * Ovary                     | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Thyroid Gland             | * Trachea                  |                           |                             |

MISSING

- \* Gallbladder

OBSERVATIONS

- |                                       |                                  |                       |                     |
|---------------------------------------|----------------------------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                      | Hyperplasia           | Moderate            |
| * Brain                               |                                  | Mineral               | Mild                |
| * Clitoral Gland                      | Duct                             | Cyst                  |                     |
| * Harderian Gland                     |                                  | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium                     | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |                                  | Basophilic Focus      |                     |
|                                       | [ Basophilic Focus TGLs = 1-12 ] |                       |                     |
| * Lung                                |                                  | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid Gland                   |                                  |                       |                     |
| Note: One parathyroid gland examined. |                                  |                       |                     |
| * Salivary Glands                     |                                  | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |                                  | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              |                                  | Dilation              | Moderate            |
|                                       | Endometrium                      | Hyperplasia           | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                   | * Ovary                    | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Skeletal Muscle        | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| * Thyroid Gland             | * Trachea                |                            |                           |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                             |               |                       |                     |
|-----------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                     |               | Mineral               | Minimal             |
| * Harderian Gland           |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                    | Renal Tubule  | Adenoma               |                     |
| * Liver                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| Mesentery                   | Fat           | Necrosis              | Moderate            |
| [ Necrosis TGLs = 2-19 ]    |               |                       |                     |
| * Pancreas                  |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Pituitary Gland           | Pars Distalis | Angiectasis           | Mild                |
| * Salivary Glands           |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder           |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    | Endometrium   | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ] |               |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                   | * Ovary                    | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          | * Skin                      |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular        |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                             |

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Moderate            |
| * Bone                                |              | Hemangioma            |                     |
| * Brain                               |              | Mineral               | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitial | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |              | Inflammation          | Focal, Minimal      |
| * Ovary                               |              |                       |                     |
| Note: One ovary examined.             |              |                       |                     |
| * Pancreas                            |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Mild        |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                   | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Salivary Glands           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland             | * Trachea                   |                          |                            |

OBSERVATIONS

- |                                       |  |                        |                     |
|---------------------------------------|--|------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain                               |  | Mineral                | Mild                |
| * Harderian Gland                     |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                              | Interstitial                           | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver                               |  | Fatty Change           | Minimal             |
|                                       |  | Hepatocellular Adenoma |                     |
|                                       |  | Infiltration Cellular  | Lymphocyte, Minimal |
|                                       | [ Hepatocellular Adenoma TGLs = 1-19 ] |                        |                     |
| * Ovary                               | Follicle                               | Cyst                   |                     |
| Note: One ovary examined.             |  |                        |                     |
| * Pancreas                            |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Parathyroid Gland                   |  |                        |                     |
| Note: One parathyroid gland examined. |  |                        |                     |
| * Pituitary Gland                     | Pars Distalis                          | Angiectasis            | Mild                |
| * Spleen                              |  | Hyperplasia            | Lymphoid, Mild      |
|                                       | [ Hyperplasia TGLs = 3-12 ]            |                        |                     |
| * Urinary Bladder                     |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus                              | Endometrium                            | Hyperplasia            | Cystic, Mild        |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Skin
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Medulla
  - \* Bone
  - \* Brain
  - \* Harderian Gland
  - \* Heart
    - Myocardium
    - Epicardium
    - Interstitium
  - \* Kidney
  - \* Liver
    - [ Hepatocellular Carcinoma TGLs = 4-22 ]
    - [ Hepatocellular Carcinoma TGLs = 5-10, 6-19, 7-10, 8-20, 9-21 ]
  - \* Lung
    - [ Hepatocellular Carcinoma TGLs = 5-10, 6-19, 7-10, 8-20, 9-21 ]
  - \* Lymph Node, Mesenteric
    - Mediastinum
  - \* Ovary
    - Note: One ovary examined
    - [ Cystadenoma TGLs = 1-16 ]
  - \* Pancreas
  - \* Parathyroid Gland
    - Note: One parathyroid gland examined.
  - \* Peripheral Nerve, Sciatic
    - Axon
- Pheochromocytoma Malignant  
Fibro-Osseous Lesion  
Mineral  
Infiltration Cellular  
Fibrosis  
Infiltration Cellular  
Infiltration Cellular  
Hepatocellular Carcinoma  
Infiltration Cellular  
Hepatocellular Carcinoma  
Metastatic (Liver)  
Infiltration Cellular  
Histiocyte, Mild  
Metastatic (Liver)  
Cystadenoma  
Infiltration Cellular  
Degeneration
- Moderate  
Mild  
Lymphocyte, Mild  
Minimal  
Mononuclear Cl, Minimal  
Lymphocyte, Mild  
Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 137

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-137

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Hyperplasia

Lymphoid, Mild

[ Hyperplasia TGLs = 3-12 ]

\* Thymus

Note: Thymus is on slide 5.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Moderate

\* Uterus

Dilation

Moderate

Endometrium

Hyperplasia

Cystic, Moderate

[ Dilation TGLs = 2-16 ]

[ Hyperplasia TGLs = 2-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 138

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |                                       |              |                        |                     |
|---------------------------------------|--------------|------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia            | Mild                |
| * Brain                               |              | Mineral                | Minimal             |
| * Harderian Gland                     |              | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular  | Lymphocyte, Mild    |
| * Liver                               |              | Hepatocellular Adenoma |                     |
| * Parathyroid Gland                   |              | Cyst                   |                     |
| Note: One parathyroid gland examined. |              |                        |                     |
| * Salivary Glands                     |              | Infiltration Cellular  | Lymphocyte, Minimal |
| * Uterus                              | Endometrium  | Hyperplasia            | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]           |              |                        |                     |

Animal Note: TGL 2 = NCL



Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 607

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nerve Trigeminal	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mandibular	* Salivary Glands
--------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Hypercellularity	Mild
* Brain		Mineral	Mild
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
* Liver	Hepatocyte	Fatty Change	Focal, Minimal
* Ovary		Cyst	
		Hemorrhage	Moderate
		Mineral	Mild
[ Cyst TGLs = 2-16 ]			
* Skin	Subcut Tiss	Sarcoma	
[ Sarcoma TGLs = 1-9 ]			
* Spleen		Extramedullary Hematopoiesis	Mild
[ Extramedullary Hematopoiesis TGLs = 3-12 ]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Cyst	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 448

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-140

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Aorta	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nerve Trigeminal	* Nose
* Ovary	* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

**MISSING**

* Brain Trigeminal Ganglion	* Mammary Gland	* Parathyroid Gland	* Thymus
-----------------------------	-----------------	---------------------	----------

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Jejunum

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Mineral	Mild
* Adrenal Medulla		Mineral	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Osteosarcoma	Metastatic (Skin)
* Intestine Large, Rectum		Osteosarcoma	Metastatic (Skin)
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Mild
* Liver		Osteosarcoma	Metastatic (Skin)
	[ Osteosarcoma TGLs = 3-12, 4-12 ]		
* Lung		Osteosarcoma	Metastatic (Skin)
	[ Osteosarcoma TGLs = 5-10 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal
* Skin	Subcut Tiss	Osteosarcoma	
	[ Osteosarcoma TGLs = 2-19 ]		
* Spleen		Extramedullary Hematopoiesis	Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 448

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-140

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS	Abdominal	Osteosarcoma	Metastatic (Skin)
[ Osteosarcoma TGLs = 6-20 ]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Cyst	

PRIMARY CAUSE OF DEATH - Lung Osteosarcoma Skin

CONTRIBUTORY CAUSE OF DEATH - Liver Osteosarcoma Skin

Animal Note: TGL 1 = NST; TGL 7 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skin
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Bone                                      Fibro-Osseous Lesion                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Islets, Pancreatic                      Infiltration Cellular                      Lymphocyte, Mild
- \* Kidney                                      Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver                                      Infiltration Cellular                      Lymphocyte, Minimal
- Lymph Node                              Iliac                                      Hyperplasia                                      Lymphoid, Moderate
- Renal                                      Hyperplasia                                      Lymphoid, Moderate
- [ Hyperplasia    TGLs = 4-20 ]
- [ Hyperplasia    TGLs = 6-21 ]
- \* Ovary                                      Note: One ovary examined.
- \* Pancreas                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Parathyroid Gland                      Note: One parathyroid gland examined.
- \* Peripheral Nerve, Sciatic                      Axon                                      Degeneration                                      Minimal
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Mild
- \* Skeletal Muscle                              Infiltration Cellular                      Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-142

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Extramedullary Hematopoiesis	Mild
		Hyperplasia	Lymphoid, Mild
	[ Extramedullary Hematopoiesis TGLs = 3-12 ]		
	[ Hyperplasia TGLs = 3-12 ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus		Fibroma	
	Endometrium	Hyperplasia	Cystic, Marked
	[ Fibroma TGLs = 2-19 ]		
	[ Hyperplasia TGLs = 1-16 ]		

Animal Note: TGL 5 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                             |                            |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Clitoral Gland          | * Esophagus                 | * Eye                       | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal          | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skeletal Muscle         | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            |
| * Trachea                 |                             |                             |                            |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                   |  |                        |                     |
|-------------------|--|------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain           |  | Mineral                | Minimal             |
| * Liver           |  | Hepatocellular Adenoma |                     |
|                   |  | Infiltration Cellular  | Lymphocyte, Minimal |
|                   | [ Hepatocellular Adenoma TGLs = 4-20 ] |                        |                     |
| Lymph Node        | Iliac                                  | Hyperplasia            | Lymphoid, Minimal   |
|                   | [ Hyperplasia TGLs = 2-19 ]            |                        |                     |
| Mesentery         | Fat                                    | Necrosis               | Moderate            |
|                   | [ Necrosis TGLs = 3-6 ]                |                        |                     |
| * Ovary           |  | Hemangioma             |                     |
| * Parathyroid GI  |  |                        |                     |
|                   | Note: One parathyroid gland examined.  |                        |                     |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Urinary Bladder |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus          |  | Dilation               | Mild                |
|                   | Endometrium                            | Hyperplasia            | Cystic, Mild        |
|                   | [ Dilation TGLs = 1-16 ]               |                        |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 143

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-143

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 607

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nerve Trigeminal	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Mammary Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Stomach, Glandular			

INSUFFICIENT TISSUE

\* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Histiocytic Sarcoma	
		Infiltration Cellular	Lymphocyte, Minimal
Note: One harderian gland examined.			
* Heart		Histiocytic Sarcoma	
* Lung		Alveolar/Bronchiolar Carcinoma	
		Histiocytic Sarcoma	
	[ Alveolar/Bronchiolar Carcinoma TGLs = 4-10 ]		
	[ Histiocytic Sarcoma TGLs = 4-10 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLs = 2-19 ]		
* Parathyroid GI			

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 146

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 607

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-146

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid examined.

\* Salivary Glands

\* Spleen

\* Thymus

Infiltration Cellular

Extramedullary Hematopoiesis

Histiocytic Sarcoma

Lymphocyte, Minimal

Mild

---

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

---

Animal Note: TGL 1 = NCL; TGL 3 = NST

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Ovary
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Moderate
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Infiltration Cellular Lymphocyte, Minimal
- Lymph Node Hyperplasia Lymphoid, Mild
- [ Hyperplasia TGLs = 4-19 ]
- Mesentery Fat Hemangioma
- [ Hemangioma TGLs = 5-19 ]
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild
- \* Uterus Dilatation Moderate
- Endometrium Hyperplasia Cystic, Moderate
- Endometrium Metaplasia Squamous, Moderate
- [ Dilatation TGLs = 1-16 ]
- [ Hyperplasia TGLs = 1-16 ]

Animal Note: TGLs 2 & 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 148

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Trachea

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Adenoma
- [ Adenoma TGLs = 4-5 ]
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Hepatocellular Adenoma Infiltration Cellular Lymphocyte, Minimal
- [ Hepatocellular Adenoma TGLs = 3-12 ]
- \* Lung Alveolar/Bronchiolar Adenoma
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 1-16 ]
- \* Ovary Note: One ovary examined.
- \* Pancreas Infiltration Cellular Lymphocyte, Minimal
- \* Parathyroid GI Note: One parathyroid examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Stomach, Glandular Cyst
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 148

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-148

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 2-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 689

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Skin
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Mammary Gland
- \* Pituitary Gland
- \* Thymus

MISSING

- \* Nerve Trigeminal
- \* Ovary
- \* Urinary Bladder

AUTO PRECLUDES DIAG.

- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Histiocytic Sarcoma
    - Hyperplasia
    - Hypercellularity
    - Mineral
    - Infiltration Cellular
  - Pelvis
    - Dilation
    - Histiocytic Sarcoma
    - Infiltration Cellular
  - Interstitialium
    - Lymphocyte, Moderate
- Note: One kidney examined.
  - [ Dilation TGLs = 3-13 ]
- \* Liver
  - Kupffer Cell
    - Histiocytic Sarcoma
    - Hyperplasia
    - Infiltration Cellular
  - [ Histiocytic Sarcoma TGLs = 6-12 ]
    - Lymphocyte, Moderate
- \* Lung
  - [ Histiocytic Sarcoma TGLs = 7-10, 8-10 ]
    - Histiocytic Sarcoma
- Lymph Node
  - Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 149

TRT#: 2

SEX: Female

DAY ON TEST: 689

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-149

ORGAN AND ACCOUNTABLE SITE STATUS

Lumbar	Infiltration Cellular	Mixed Cell, Mild
[ Histiocytic Sarcoma TGLs = 10-20, 12-21 ]		
[ Infiltration Cellular TGLs = 11-22 ]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
	Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mesenteric	Erythrophagocytosis	Mild
	Hyperplasia	Lymphoid, Moderate
	Infiltration Cellular	Histiocyte, Mild
[ Erythrophagocytosis TGLs = 13-15 ]		
[ Hyperplasia TGLs = 13-15 ]		
[ Infiltration Cellular TGLs = 13-15 ]		
* Pancreas	Histiocytic Sarcoma	
	Infiltration Cellular	Lymphocyte, Minimal
[ Histiocytic Sarcoma TGLs = 14-6 ]		
* Parathyroid G1		
Note: One parathyroid gland examined.		
* Salivary Glands	Atrophy	Mild
* Skeletal Muscle	Histiocytic Sarcoma	
	Infiltration Cellular	Lymphocyte, Minimal
[ Histiocytic Sarcoma TGLs = 9-19 ]		
* Spleen	Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLs = 2-12 ]		
* Stomach, Glandular	Histiocytic Sarcoma	
* Uterus	Dilation	Mild
	Histiocytic Sarcoma	
Note: Uterine horn in slide 13.		
[ Histiocytic Sarcoma TGLs = 4-16 ]		

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Histiocytic Sarcoma

Animal Note: TGL 1 = NST; TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 511

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands        | * Skeletal Muscle          | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                    |
| * Thyroid Gland             | * Trachea                |                            |                             |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                                 |  |                             |                  |
|---------------------------------|--|-----------------------------|------------------|
| * Adrenal Cortex                | Subcapsular                            | Hyperplasia                 | Mild             |
| * Brain                         |  | Inflammation                | Acute, Mild      |
|                                 |  | Mineral                     | Mild             |
| * Harderian Gland               |  | Infiltration Cellular       | Lymphocyte, Mild |
| * Kidney                        | Interstitium                           | Infiltration Cellular       | Lymphocyte, Mild |
| * Liver                         |  | Fatty Change                | Mild             |
|                                 |  | Hepatocellular Adenoma      |                  |
|                                 | [ Fatty Change TGLs = 3-12 ]           |                             |                  |
|                                 | [ Hepatocellular Adenoma TGLs = 2-19 ] |                             |                  |
| * Lung                          |  | Hemorrhage                  | Moderate         |
|                                 | [ Hemorrhage TGLs = 4-10 ]             |                             |                  |
| Mesentery                       | Fat                                    | Necrosis                    | Moderate         |
|                                 | [ Necrosis TGLs = 1-20 ]               |                             |                  |
| * Ovary                         | Follicle                               | Cyst                        |                  |
|                                 |  | Granulosa Cell Tumor Benign |                  |
| * Parathyroid GI                |  |                             |                  |
| Note: One parathyroid examined. |  |                             |                  |
| * Skin                          | Hair Follicle                          | Atrophy                     | Moderate         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 150

TRT#: 2

SEX: Female

DAY ON TEST: 511

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-150

ORGAN AND ACCOUNTABLE SITE STATUS

[ Atrophy TGLs = 6-21,7-22 ]

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Dilation

Hyperplasia

Lymphocyte, Mild

Mild

Cystic, Mild

[ Dilation TGLs = 5-16 ]

[ Hyperplasia TGLs = 5-16 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 152

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nose                      | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |                  |                    |
|------------------|--------------------|
| * Clitoral Gland | * Nerve Trigeminal |
|------------------|--------------------|

INSUFFICIENT TISSUE

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |                   |  |                        |                     |
|-------------------|--|------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain           |  | Mineral                | Minimal             |
| * Kidney          |  | Cyst                   |                     |
| * Liver           |  | Hepatocellular Adenoma |                     |
|                   | [ Hepatocellular Adenoma TGLs = 4-12 ] |                        |                     |
| Lymph Node        | Renal                                  | Hyperplasia            | Lymphoid, Moderate  |
|                   | [ Hyperplasia TGLs = 3-20 ]            |                        |                     |
| Mesentery         | Fat                                    | Necrosis               | Moderate            |
|                   | [ Necrosis TGLs = 1-19, 5-21 ]         |                        |                     |
| * Ovary           |  |                        |                     |
|                   | Note: One ovary examined.              |                        |                     |
| * Parathyroid GI  |  |                        |                     |
|                   | Note: One parathyroid gland examined.  |                        |                     |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Thyroid GI      |  |                        |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 152

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-152

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid gland examined.

\* Uterus

Endometrium

Dilation

Hyperplasia

Moderate

Cystic, Mild

[ Dilation TGLs = 2-16 ]

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 153

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone Marrow	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

**MISSING**

\* Nerve Trigeminal

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone	[ Fibro-Osseous Lesion TGLs = 1-20 ]	Fibro-Osseous Lesion	Moderate
* Brain		Mineral	Minimal
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLs = 3-19 ]		
* Pancreas		Infiltration Cellular	Lymphocyte, Mild
* Parathyroid GI			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 154

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone Marrow            | * Brain Trigeminal Ganglion |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                  |
| * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Salivary Glands        | * Skeletal Muscle           |
| * Skin                    | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach      |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Trachea                   |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                     |   |                       |                  |
|---------------------|---|-----------------------|------------------|
| * Adrenal Cortex    | Subcapsular                                   | Hyperplasia           | Mild             |
| * Bone              |   | Fibro-Osseous Lesion  | Mild             |
| * Brain             |   | Mineral               | Minimal          |
| * Liver             |   | Inflammation          | Focal, Minimal   |
| * Lung              |   | Hemorrhage            | Moderate         |
|                     | [ Hemorrhage TGLs = 4-10, 5-10, 6-10 ]        |                       |                  |
| * Ovary             |   |                       |                  |
|                     | Note: One ovary examined (No lesion present). |                       |                  |
| * Parathyroid Gland |   |                       |                  |
|                     | Note: One parathyroid gland examined.         |                       |                  |
| * Pituitary Gland   | Pars Distalis                                 | Hyperplasia           | Focal, Moderate  |
|                     | [ Hyperplasia TGLs = 7-4 ]                    |                       |                  |
| * Urinary Bladder   |   | Infiltration Cellular | Lymphocyte, Mild |
| * Uterus            | Endometrium                                   | Hyperplasia           | Cystic, Mild     |
|                     |   | Thrombus              | Moderate         |
|                     | [ Hyperplasia TGLs = 1-16 ]                   |                       |                  |
|                     | [ Thrombus TGLs = 2-16 ]                      |                       |                  |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 155

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   |
| * Parathyroid Gland         | * Skin                    | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach      | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Trachea                   | * Uterus                  |                             |                          |

MISSING

- |                    |         |
|--------------------|---------|
| * Nerve Trigeminal | * Ovary |
|--------------------|---------|

OBSERVATIONS

- |                             |               |                       |                     |
|-----------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular   | Hyperplasia           | Moderate            |
| * Brain                     |               | Hydrocephalus         | Mild                |
|                             |               | Mineral               | Mild                |
| * Kidney                    | Interstitium  | Infiltration Cellular | Lymphocyte, Minimal |
| * Pancreas                  |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Peripheral Nerve, Sciatic | Axon          | Degeneration          | Mild                |
| * Pituitary Gland           | Pars Distalis | Adenoma               |                     |
| [ Adenoma TGLs = 2-4 ]      |               |                       |                     |
| * Salivary Glands           |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Skeletal Muscle           |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder           |               | Infiltration Cellular | Lymphocyte, Mild    |

Animal Note: TGL 1 = NCL

Animal Note: TGLs=3-NCL

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 156

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Aorta	* Bone	* Bone Marrow	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Adrenal Medulla	* Lymph Node, Mandibular	* Nerve Trigeminal	* Parathyroid Gland
-------------------	--------------------------	--------------------	---------------------

INSUFFICIENT TISSUE

* Peripheral Nerve, Sciatic	* Pituitary Gland
-----------------------------	-------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLs = 7-12 ]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Marked
	Iliac	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLs = 5-20 ]			
[ Hyperplasia TGLs = 6-21 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLs = 3-19 ]			
* Ovary	Follicle	Cyst	
Note: Two corpora hemorrhagica, but no lesions.			
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLs = 4-12 ]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 156

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-156

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLs = 1-16 ]

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 157

TRT#: 2

SEX: Female

DAY ON TEST: 562

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Skeletal Muscle
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea

MISSING

- \* Clitoral Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Heart Myocardium Mineral Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Histiocytic Sarcoma
- [ Histiocytic Sarcoma TGLs = 1-12, 2-12, 3-12 ]
- \* Lung Histiocytic Sarcoma
- \* Lymph Node, Mandibular Histiocytic Sarcoma
- \* Lymph Node, Mesenteric Histiocytic Sarcoma
- Mesentery Histiocytic Sarcoma
- Fat Necrosis Moderate
- [ Necrosis TGLs = 7-6 ]
- \* Ovary Follicle Cyst
- Note: One ovary examined.
- \* Pancreas Histiocytic Sarcoma
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Pituitary GI
- Note: Pars distalis examined.

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 157

TRT#: 2

SEX: Female

DAY ON TEST: 562

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-157

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Mild
		Histiocytic Sarcoma	
* Stomach, Forestomach		Squamous Cell Papilloma	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Animal Note: TGLs 4-6 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 159

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spinal Cord
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Eye
- \* Nerve Trigeminal
- \* Ovary
- \* Pituitary Gland

INSUFFICIENT TISSUE

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Brain

OBSERVATIONS

- \* Harderian Gland  
Note: One Harderian Gland examined.
  - \* Parathyroid Gland  
Note: One parathyroid gland examined.
  - \* Salivary Glands
  - \* Skeletal Muscle
  - \* Urinary Bladder
  - \* Uterus  
Endometrium
- [ Hyperplasia TGLs = 1-23RT ]

Infiltration Cellular      Lymphocyte, Mild

Infiltration Cellular      Lymphocyte, Mild

Infiltration Cellular      Lymphocyte, Minimal

Infiltration Cellular      Lymphocyte, Mild

Hyperplasia                  Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 160

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Nerve Trigeminal
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Brain

OBSERVATIONS

- \* Clitoral Gland  
Note: One clitoral gland examined.
- \* Eye  
Note: One eye examined.
- \* Harderian Gland
- \* Liver  
[ Hepatocellular Adenoma TGLs = 3-22 ]
- \* Ovary  
Note: One ovary examined.
- \* Salivary Glands
- \* Urinary Bladder
- \* Uterus  
Endometrium  
[ Hyperplasia TGLs = 1-23RT ]
- Infiltration Cellular
- Hepatocellular Adenoma
- Lymphocyte, Minimal
- Infiltration Cellular
- Infiltration Cellular
- Hyperplasia
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Cystic, Moderate

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 162

TRT#: 2

SEX: Female

DAY ON TEST: 604

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-162

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                            |                          |                             |
|-----------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland           | * Esophagus              | * Eye                       |
| * Heart                     | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Mammary Gland             |
| * Nerve Trigeminal          | * Ovary                    | * Pancreas               | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Skin                   | * Spinal Cord               |
| * Stomach, Forestomach      | * Stomach, Glandular       | * Thyroid Gland          | * Trachea                   |

**MISSING**

- \* Thymus

**OBSERVATIONS**

- |                                    |   |                                   |                     |
|------------------------------------|---|-----------------------------------|---------------------|
| * Adrenal Cortex                   | Subcapsular   | Hyperplasia<br>Lymphoma Malignant | Mild                |
| * Brain                            |   | Mineral                           | Minimal             |
| * Clitoral GI                      |   |                                   |                     |
| Note: One clitoral gland examined. |   |                                   |                     |
| * Gallbladder                      |   | Lymphoma Malignant                |                     |
| * Harderian Gland                  |   | Infiltration Cellular             | Lymphocyte, Minimal |
| * Intestine Large, Rectum          |   | Lymphoma Malignant                |                     |
| * Kidney                           | Interstitium  | Infiltration Cellular             | Lymphocyte, Mild    |
| * Liver                            |   | Lymphoma Malignant                |                     |
| * Lung                             |   | Lymphoma Malignant                |                     |
|                                    | [ Lymphoma Malignant TGLs = 5-10 ]                          |                                   |                     |
| Lymph Node                         |   | Lymphoma Malignant                |                     |
|                                    | [ Lymphoma Malignant TGLs = 6-21, 7-22, 8-23, 9-24, 14-20 ] |                                   |                     |
| * Lymph Node, Mandibular           |   | Hemorrhage<br>Lymphoma Malignant  | Moderate            |
|                                    | [ Hemorrhage TGLs = 12-19 ]                                 |                                   |                     |
|                                    | [ Lymphoma Malignant TGLs = 11-9 ]                          |                                   |                     |
| * Lymph Node, Mesenteric           |   | Lymphoma Malignant                |                     |
|                                    | [ Lymphoma Malignant TGLs = 10-15 ]                         |                                   |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 162

TRT#: 2

SEX: Female

DAY ON TEST: 604

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-162

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Lymphoma Malignant	
* Parathyroid Gland			
Note: One parathyroid gland examined.			
* Salivary Glands		Lymphoma Malignant	
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 2-12 ]		
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[ Hyperplasia TGLs = 4-16 ]		

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Liver Lymphoma Malignant

- Lung Lymphoma Malignant

Animal Note: TGL 1 = NST; TGLs 3 & 13 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 163

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Liver    Inflammation                                      Chronic Active, Mild
- Lymph Node                                      Pancreatic                                      Hyperplasia                                      Lymphoid, Moderate
- Bronchial                                      Hyperplasia                                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 3-19 ]
- [ Hyperplasia    TGLs = 4-20 ]
- Mesentery                                      Fat    Infiltration Cellular                      Lymphocyte, Moderate
- \* Ovary
- Note: One ovary examined.
- \* Peripheral Nerve, Sciatic                      Axon    Degeneration                                      Minimal
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Skeletal Muscle                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Spleen    Hyperplasia                                      Lymphoid, Mild
- \* Thyroid GI
- Note: One thyroid gland examined.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 163

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-163

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 1-16 ]

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 164

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Ovary

INSUFFICIENT TISSUE

- \* Brain
- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Eye  
    Note: One eye examined.
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                  Interstitium                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver                                      Hepatocellular Adenoma                      Multiple
- [ Hepatocellular Adenoma    TGLs = 2-19, 3-20 ]
- Mesentery                              Fat                                      Necrosis                              Moderate
- [ Necrosis    TGLs = 1-6 ]
- \* Parathyroid Gland  
    Note: One parathyroid gland examined.
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Skeletal Muscle                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                                      Endometrium                      Hyperplasia                      Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

**ANIMAL ID:** 165

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-165

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Kidney                    | * Lung                   | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   |                          |                             |

**MISSING**

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

**OBSERVATIONS**

- |                             |             |                       |                     |
|-----------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular | Hyperplasia           | Moderate            |
| * Brain                     |             | Mineral               | Mild                |
| * Eye                       |             |                       |                     |
| Note: One eye examined.     |             |                       |                     |
| * Harderian Gland           |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                     |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Lymph Node, Mesenteric    |             | Hemorrhage            | Minimal             |
| Mesentery                   | Fat         | Necrosis              | Moderate            |
| [ Necrosis TGLs = 1-6 ]     |             |                       |                     |
| * Ovary                     |             | Cystadenoma           |                     |
| * Salivary Glands           |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder           |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    | Endometrium | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ] |             |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 166

TRT#: 2

SEX: Female

DAY ON TEST: 703

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Nerve Trigeminal          | * Nose                     |
| * Ovary                     | * Pancreas                  | * Peripheral Nerve, Sciatic | * Salivary Glands          |
| * Skeletal Muscle           | * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular       |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder           | * Uterus                   |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mesenteric | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- |  |               |                              |                  |
|--|---------------|------------------------------|------------------|
| * Adrenal Cortex                             | Subcapsular   | Hyperplasia                  | Moderate         |
| * Brain                                      |               | Mineral                      | Minimal          |
| * Clitoral Gl                                |               |                              |                  |
| Note: One clitoral gland examined.           |               |                              |                  |
| * Harderian Gland                            |               | Infiltration Cellular        | Lymphocyte, Mild |
| * Kidney                                     |               | Infarct                      | Mild             |
| [ Infarct TGLs = 3-13 ]                      |               |                              |                  |
| * Liver                                      |               | Infiltration Cellular        | Lymphocyte, Mild |
| * Lung                                       |               | Inflammation                 | Chronic, Mild    |
| * Mammary Gland                              | Duct          | Dilation                     | Moderate         |
|  |               | Hyperplasia                  | Diffuse, Mild    |
| * Pituitary Gland                            | Pars Distalis | Adenoma                      |                  |
| [ Adenoma TGLs = 4-4 ]                       |               |                              |                  |
| * Skin                                       | Subcut Tiss   | Fibrosarcoma                 |                  |
|  | Subcut Tiss   | Hemangiosarcoma              |                  |
| [ Fibrosarcoma TGLs = 5-19 ]                 |               |                              |                  |
| [ Hemangiosarcoma TGLs = 6-20 ]              |               |                              |                  |
| * Spleen                                     |               | Extramedullary Hematopoiesis | Moderate         |
| [ Extramedullary Hematopoiesis TGLs = 1-12 ] |               |                              |                  |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 166

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 703

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-166

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Atrophy

Moderate

\* Thyroid GI

Note: One thyroid gland examined.

---

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

---

Animal Note: TGLs 2 & 7 = NCL

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 167

TRT#: 2

SEX: Female

DAY ON TEST: 551

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-167

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Brain Trigeminal Ganglion
* Clitoral Gland	* Eye	* Heart	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nerve Trigeminal	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Salivary Glands
* Spinal Cord	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

* Esophagus	* Intestine Small, Duodenum	* Pituitary Gland
-------------	-----------------------------	-------------------

**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	

**INSUFFICIENT TISSUE**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Adren Medulla			
Note: One adrenal medulla examined.			
* Bone Marrow		Hypercellularity	Moderate
* Brain		Mineral	Mild
		Osteosarcoma	Metastatic (Skeletal Muscle)
* Clitoral GI			
Note: One clitoral gland examined.			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Fatty Change	Marked
[ Fatty Change TGLs = 1-12 ]			
* Lung		Osteosarcoma	Metastatic (Skeletal Muscle)
* Parathyroid GI			
Note: One parathyroid gland examined.			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 167

TRT#: 2

SEX: Female

DAY ON TEST: 551

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-167

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Skeletal Muscle

Infiltration Cellular

Lymphocyte, Minimal

[ Osteosarcoma TGLs = 2-19 ]

Osteosarcoma

\* Skin

Ulcer

Moderate

\* Thymus

Atrophy

Marked

\* Thyroid GI

Note: One thyroid gland examined.

---

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Osteosarcoma

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 168

TRT#: 2

SEX: Female

DAY ON TEST: 579

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                          |
|-----------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland        | * Intestine Large, Cecum    | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic     |
| * Kidney                    | * Lymph Node, Mesenteric | * Mammary Gland             | * Nerve Trigeminal       |
| * Nose                      | * Pancreas               | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Salivary Glands           | * Skeletal Muscle        | * Skin                      | * Spinal Cord            |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    | * Thyroid Gland          |
| * Trachea                   |                          |                             |                          |

MISSING

- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum

OBSERVATIONS

- |                              |   |                     |         |
|------------------------------|---|---------------------|---------|
| * Adrenal Cortex             | Subcapsular                                     | Hyperplasia         | Mild    |
| Note: Adrenals on slide #16. |   |                     |         |
| * Brain                      |   | Mineral             | Minimal |
| * Heart                      |   | Histiocytic Sarcoma |         |
| * Liver                      |   | Histiocytic Sarcoma |         |
|                              | [ Histiocytic Sarcoma TGLs = 1-12, 5-12, 6-12 ] |                     |         |
| * Lung                       |   | Histiocytic Sarcoma |         |
| * Lymph Node, Mandibular     |   | Hemorrhage          | Marked  |
| * Ovary                      |   | Histiocytic Sarcoma |         |
| * Spleen                     |   | Histiocytic Sarcoma |         |
|                              | [ Histiocytic Sarcoma TGLs = 4-12 ]             |                     |         |
| * Urinary Bladder            |   | Histiocytic Sarcoma |         |
| * Uterus                     |   | Dilation            | Mild    |
|                              | [ Histiocytic Sarcoma TGLs = 3-19 ]             | Histiocytic Sarcoma |         |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 168

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 579

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-168

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 169

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone Marrow             | * Brain Trigeminal Ganglion |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           | * Nerve Trigeminal          |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- |                  |                          |         |
|------------------|--------------------------|---------|
| * Clitoral Gland | * Lymph Node, Mesenteric | * Ovary |
|------------------|--------------------------|---------|

INSUFFICIENT TISSUE

- \* Uterus

OBSERVATIONS

- |                                       |                 |                       |                       |
|---------------------------------------|-----------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular     | Hyperplasia           | Mild                  |
| * Bone                                |                 | Fibro-Osseous Lesion  | Mild                  |
| * Brain                               |                 | Mineral               | Minimal               |
| * Harderian Gland                     |                 | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                              | Interstitialium | Infiltration Cellular | Lymphocyte, Minimal   |
|                                       |                 | Nephropathy           | Chronicprogr, Minimal |
| * Parathyroid GI                      |                 |                       |                       |
| Note: One parathyroid gland examined. |                 |                       |                       |
| * Peripheral Nerve, Sciatic           | Axon            | Degeneration          | Minimal               |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 170

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Ovary

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
  - \* Brain                                      Mineral                                      Mild
  - \* Clitoral Gland  
    Note: One clitoral gland examined.
  - \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
  - \* Heart                                      Infiltration Cellular                      Mixed Cell, Mild
  - \* Kidney                                      Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
  - \* Parathyroid Gland  
    Note: One parathyroid gland examined.
  - \* Peripheral Nerve, Sciatic              Axon                                      Degeneration                      Minimal
  - \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
  - \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Mild
  - \* Uterus                                      Dilation                                      Mild
  - Endometrium                                      Hyperplasia                                      Cystic, Minimal
- [ Dilation    TGLs = 1-19RT ]  
[ Hyperplasia    TGLs = 1-19RT ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 171

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Nerve Trigeminal

OBSERVATIONS

- \* Brain
  - \* Clitoral GI
    - Note: One clitoral gland examined.
  - \* Kidney
  - \* Liver
  - \* Ovary
  - \* Parathyroid GI
    - Note: One parathyroid gland examined.
  - \* Peripheral Nerve, Sciatic
  - \* Pituitary Gland
    - [ Adenoma TGLs = 3-4 ]
  - \* Salivary Glands
  - \* Skin
    - [ Lipoma TGLs = 2-19 ]
  - \* Urinary Bladder
  - \* Uterus
- |  |                                    |                  |
|--|------------------------------------|------------------|
|  | Mineral                            | Minimal          |
|  | Infarct                            | Minimal          |
|  | Interstitial Infiltration Cellular | Lymphocyte, Mild |
|  | Hepatocyte Fatty Change            | Focal, Minimal   |
|  | Hepatocellular Adenoma             |                  |
|  | Follicle Cyst                      |                  |
|  | Degeneration                       | Minimal          |
|  | Adenoma                            |                  |
|  | Infiltration Cellular              | Lymphocyte, Mild |
|  | Lipoma                             |                  |
|  | Infiltration Cellular              | Lymphocyte, Mild |
|  | Dilation                           | Mild             |
|  | Endometrium Hyperplasia            | Cystic, Mild     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 171

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-171

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 172

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Kidney                                      Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver    Inflammation                                      Focal, Minimal
- \* Ovary    Follicle    Cyst
- \* Parathyroid GI  
    Note: One parathyroid gland examined.
- \* Peripheral Nerve, Sciatic                      Axon    Degeneration                                      Minimal
- \* Spleen    Hyperplasia                                      Lymphoid, Mild
- \* Urinary Bladder                                      Infiltration Cellular                                      Lymphocyte, Minimal
- \* Uterus    Dilatation    Marked

[ Dilatation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 173

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nerve Trigeminal	* Nose	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

**MISSING**

* Brain Trigeminal Ganglion	* Parathyroid Gland
-----------------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hypercellularity	Marked
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Renal Mesenchymal Tumor	
[ Renal Mesenchymal Tumor	TGLs = 5-13, 6-13, 7-13, 8-13 ]		
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mesenteric		Renal Mesenchymal Tumor	Metastatic (Kidney)
[ Renal Mesenchymal Tumor	TGLs = 11-15, 12-15 ]		
* Mammary Gland		Hyperplasia	Focal, Moderate
Mesentery	Fat	Infiltration Cellular	Lymphocyte, Moderate
	Fat	Necrosis	Mild
		Renal Mesenchymal Tumor	Metastatic (Kidney)
[ Necrosis	TGLs = 1-21 ]		
[ Renal Mesenchymal Tumor	TGLs = 3-22 ]		
* Ovary		Cyst	
* Pancreas		Renal Mesenchymal Tumor	Metastatic (Kidney)
[ Renal Mesenchymal Tumor	TGLs = 3-22 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skin		Ulcer	Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 173

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-173

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ulcer TGLs = 13-19, 14-9 ]

\* Spleen

Extramedullary Hematopoiesis

Moderate

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

---

Animal Note: TGL 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 175

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                   | * Ovary                    | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skin                     | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| * Thyroid Gland             | * Trachea                |                            |                           |

OBSERVATIONS

- |  |              |                          |                     |
|--|--------------|--------------------------|---------------------|
| * Adrenal Cortex   | Subcapsular  | Hyperplasia              | Mild                |
| * Adren Medulla  |              |                          |                     |
| Note: One adrenal medulla examined.                                |              |                          |                     |
| * Brain  |              | Mineral                  | Mild                |
| * Harderian Gland  |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Heart  | Valve        | Infiltration Cellular    | Lymphocyte, Minimal |
| * Kidney   | Interstitium | Infiltration Cellular    | Lymphocyte, Minimal |
| * Liver  |              | Hepatocellular Carcinoma | Multiple            |
| [ Hepatocellular Carcinoma TGLs = 3-12, 4-12 ]                     |              |                          |                     |
| * Ovary  |              |                          |                     |
| Note: One ovary examined. The ovarian lesion (L2) was not present. |              |                          |                     |
| * Pancreas   |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Parathyroid Gland  |              |                          |                     |
| Note: One parathyroid gland examined.                              |              |                          |                     |
| * Salivary Glands  |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Skeletal Muscle  |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Urinary Bladder  |              | Infiltration Cellular    | Lymphocyte, Mild    |
| * Uterus   |              | Dilation                 | Moderate            |
|  | Endometrium  | Hyperplasia              | Cystic, Mild        |
| [ Dilation TGLs = 1-16 ]   |              |                          |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 175

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-175

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 2 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 176

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Mammary Gland
- \* Salivary Glands
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Skeletal Muscle
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Parathyroid Gland
- \* Spinal Cord
- \* Clitoral Gland
- \* Heart
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Thymus

MISSING

- \* Adrenal Cortex
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Urinary Bladder
- \* Aorta
- \* Lymph Node, Mandibular

INSUFFICIENT TISSUE

- \* Nose
- \* Ovary
- \* Pituitary Gland

OBSERVATIONS

- \* Brain
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Kidney
  - Interstitial
  - [ Infiltration Cellular TGLs = 4-13 ]
- \* Liver
  - Fibrosarcoma
  - [ Fibrosarcoma TGLs = 1-12 ]
- \* Lung
  - Hemorrhage
  - [ Hemorrhage TGLs = 6-21, 7-22 ]
- Lymph Node
  - Bronchial
  - [ Fibrosarcoma TGLs = 5-20 ]
- \* Lymph Node, Mesenteric
- Mesentery
- Mineral
- Infiltration Cellular
- Fibrosarcoma
- Fibrosarcoma
- Fibrosarcoma
- Infiltration Cellular
- Fibrosarcoma
- Infiltration Cellular
- Fibrosarcoma
- Hemorrhage
- Fibrosarcoma
- Fibrosarcoma
- Minimal
- Lymphocyte, Minimal
- Metastatic (Skin)
- Metastatic (Skin)
- Metastatic (Skin)
- Lymphocyte, Mild
- Metastatic (Skin)
- Lymphocyte, Mild
- Metastatic (Skin)
- Mild
- Metastatic (Skin)
- Metastatic (Skin)
- Metastatic (Skin)
- Metastatic (Skin)

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 176

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-176

ORGAN AND ACCOUNTABLE SITE STATUS

[ Fibrosarcoma TGLs = 2-19 ]		
* Pancreas	Fibrosarcoma	Metastatic (Skin)
[ Fibrosarcoma TGLs = 8-6 ]		
* Parathyroid GI		
Note: One parathyroid gland examined.		
* Skin	Subcut Tiss	
[ Fibrosarcoma TGLs = 9-23 ]	Fibrosarcoma	
* Spleen	Extramedullary Hematopoiesis	Moderate
[ Extramedullary Hematopoiesis TGLs = 3-12 ]		
* Stomach, Forestomach	Fibrosarcoma	Metastatic (Skin)
* Stomach, Glandular	Fibrosarcoma	Metastatic (Skin)
* Uterus	Fibrosarcoma	Metastatic (Skin)

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

Animal Note: TGL 10 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 177

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland             |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          | * Skin                      |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular        |
| * Thymus                    | * Trachea                |                            |                             |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                     |             |                       |                     |
|-------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular | Hyperplasia           | Mild                |
| * Adren Medulla                     |             |                       |                     |
| Note: One adrenal medulla examined. |             |                       |                     |
| * Bone                              |             | Fibro-Osseous Lesion  | Mild                |
| * Brain                             |             | Mineral               | Mild                |
| * Harderian Gland                   |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                            |             | Infarct               | Mild                |
| * Lung                              |             | Hemorrhage            | Mild                |
| Lymph Node                          | Bronchial   | Hyperplasia           | Lymphoid, Mild      |
| [ Hyperplasia TGLs = 6-19 ]         |             |                       |                     |
| * Salivary Glands                   |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid Gland                     | Follicle    | Cyst                  |                     |
| * Urinary Bladder                   |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                            |             | Angiectasis           | Moderate            |
|                                     |             | Dilation              | Moderate            |
|                                     | Endometrium | Hyperplasia           | Cystic, Moderate    |
| [ Angiectasis TGLs = 3-16 ]         |             |                       |                     |
| [ Dilation TGLs = 4-16 ]            |             |                       |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 177

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-177

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 4-16 ]

---

Animal Note: TGLs 1, 2, & 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 178

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular    | * Mammary Gland             | * Nose                      | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Salivary Glands        |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          |
| * Trachea                   | * Urinary Bladder           |                             |                          |

MISSING

- |                          |                    |
|--------------------------|--------------------|
| * Lymph Node, Mesenteric | * Nerve Trigeminal |
|--------------------------|--------------------|

OBSERVATIONS

- |  |             |             |                  |
|--|-------------|-------------|------------------|
| * Adrenal Cortex<br>Note: One adrenal cortex examined. | Subcapsular | Hyperplasia | Mild             |
| * Adren Medulla<br>Note: One adrenal medulla examined. |             |             |                  |
| * Brain  |             | Mineral     | Minimal          |
| * Clitoral GI<br>Note: One clitoral gland examined.    |             |             |                  |
| * Liver  |             | Necrosis    | Minimal          |
| Mesentery<br>[ Necrosis TGLs = 2-19 ]                  | Fat         | Necrosis    | Mild             |
| * Ovary<br>Note: One ovary examined.                   |             | Cyst        |                  |
| * Uterus<br>[ Hyperplasia TGLs = 1-16 ]                | Endometrium | Hyperplasia | Cystic, Moderate |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 179

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Parathyroid Gland      | * Pituitary Gland          |
| * Skeletal Muscle           | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- |                          |         |
|--------------------------|---------|
| * Lymph Node, Mandibular | * Ovary |
|--------------------------|---------|

OBSERVATIONS

- |                                       |                                       |                       |                     |
|---------------------------------------|---------------------------------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                           | Hyperplasia           | Moderate            |
| * Brain                               |                                       | Mineral               | Mild                |
| * Clitoral GI                         |                                       |                       |                     |
| Note: One clitoral gland examined.    |                                       |                       |                     |
| * Harderian Gland                     |                                       | Adenoma               |                     |
|                                       |                                       | Infiltration Cellular | Lymphocyte, Minimal |
|                                       | [ Adenoma TGLs = 5-5 ]                |                       |                     |
| * Kidney                              | Interstitial                          | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver                               |                                       | Basophilic Focus      |                     |
|                                       |                                       | Infiltration Cellular | Lymphocyte, Minimal |
| Lymph Node                            | Axillary                              | Infiltration Cellular | Mixed Cell, Mild    |
|                                       | Axillary                              | Pigment               | Mild                |
|                                       | [ Infiltration Cellular TGLs = 3-20 ] |                       |                     |
|                                       | [ Pigment TGLs = 4-20 ]               |                       |                     |
| * Pancreas                            |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid GI                      |                                       |                       |                     |
| Note: One parathyroid gland examined. |                                       |                       |                     |
| * Peripheral Nerve, Sciatic           | Axon                                  | Degeneration          | Minimal             |
| * Salivary Glands                     |                                       | Infiltration Cellular | Lymphocyte, Mild    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 179

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-179

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

* Skin	Subcut Tiss	Fibrosarcoma	
	[ Fibrosarcoma TGLs = 1-19 ]		
* Spleen		Hyperplasia	Lymphoid, Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus		Dilation	Moderate
	[ Dilation TGLs = 2-16 ]		

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

**ANIMAL ID:** 181

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Aorta	* Harderian Gland	* Nerve Trigeminal
---------	-------------------	--------------------

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Kidney		Infarct	Mild
Mesentery	Fat	Inflammation	Chronic Active, Mild
	Fat	Necrosis	Mild
	[ Inflammation TGLs = 3-15 ]		
	[ Necrosis TGLs = 3-15 ]		
* Parathyroid GI			
	Note: One parathyroid gland examined.		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[ Hyperplasia TGLs = 1-22RT ]		

Animal Note: TGLs 2 & 4 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 182

TRT#: 2

SEX: Female

DAY ON TEST: 597

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-182

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                             |                             |                            |
|--------------------------|-----------------------------|-----------------------------|----------------------------|
| * Aorta                  | * Bone                      | * Brain Trigeminal Ganglion | * Clitoral Gland           |
| * Esophagus              | * Eye                       | * Gallbladder               | * Intestine Large, Cecum   |
| * Intestine Large, Colon | * Intestine Large, Rectum   | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic     | * Liver                     | * Nerve Trigeminal          | * Ovary                    |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle          |
| * Skin                   | * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular       |
| * Thyroid Gland          | * Trachea                   |                             |                            |

**MISSING**

- |                          |                 |                   |
|--------------------------|-----------------|-------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Urinary Bladder |
|--------------------------|-----------------|-------------------|

**AUTO PRECLUDES DIAG.**

- \* Lymph Node, Mesenteric

**OBSERVATIONS**

- |                                       |             |                       |                        |
|---------------------------------------|-------------|-----------------------|------------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Mild                   |
| * Adrenal Medulla                     |             | Hemorrhage            | Mild                   |
| Note: One adrenal medulla examined.   |             |                       |                        |
| * Bone Marrow                         |             | Hypercellularity      | Mild                   |
| * Brain                               |             | Mineral               | Minimal                |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Minimal    |
| * Heart                               |             | Cardiomyopathy        | Minimal                |
| * Intestine Small, Duodenum           |             | Inflammation          | Acute, Mild            |
| * Kidney                              |             | Infarct               | Minimal                |
| * Lung                                |             | Inflammation          | Acute, Moderate        |
| Lymph Node                            | Iliac       | Infiltration Cellular | Mixed Cell, Mild       |
| [ Infiltration Cellular TGLs = 1-19 ] |             |                       |                        |
| Mesentery                             | Fat         | Necrosis              | Moderate               |
| [ Necrosis TGLs = 3-20 ]              |             |                       |                        |
| * Nose                                |             | Inflammation          | Acute, Moderate        |
| * Pancreas                            |             | Inflammation          | Chronic Active, Marked |
| * Parathyroid GI                      |             |                       |                        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 182

TRT#: 2

SEX: Female

DAY ON TEST: 597

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-182

ORGAN AND ACCOUNTABLE SITE STATUS

Note: One parathyroid gland examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Spleen

Extramedullary Hematopoiesis

Mild

[ Extramedullary Hematopoiesis TGLs = 4-12 ]

\* Thymus

Atrophy

Marked

[ Atrophy TGLs = 5-6 ]

\* Uterus

Dilation

Mild

Endometrium

Hyperplasia

Cystic, Mild

[ Dilation TGLs = 2-16 ]

[ Hyperplasia TGLs = 2-16 ]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: TGLs 6 & 7 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 183

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Brain Trigeminal Ganglion
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nose
- \* Ovary
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Trachea

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex    Subcapsular    Hyperplasia    Mild
- \* Bone Marrow    Hypercellularity    Mild
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Kidney    Interstitial    Infiltration Cellular    Lymphocyte, Mild
- \* Liver    Hepatocellular Adenoma    Multiple
- Hepatocellular Carcinoma
- Infiltration Cellular    Lymphocyte, Minimal
- Mixed Cell Focus
- [ Hepatocellular Carcinoma    TGLs = 4-20 ]
- [ Mixed Cell Focus        TGLs = 3-12 ]
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Thyroid Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Mild
- \* Uterus    Dilation    Moderate
- Endometrium    Hyperplasia    Cystic, Mild
- Leiomyoma
- [ Dilation    TGLs = 1-16 ]
- [ Hyperplasia   TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 183

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-183

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Leiomyoma TGLs = 2-19 ]

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

**ANIMAL ID:** 184

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

**MISSING**

* Lymph Node, Mesenteric	* Nerve Trigeminal	* Parathyroid Gland
--------------------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Hypercellularity	Mild
* Brain		Mineral	Mild
* Kidney		Infarct	Mild
	Interstitium	Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
		Mixed Cell Focus	
	[ Hepatocellular Adenoma TGLs = 7-12 ]		
	[ Mixed Cell Focus TGLs = 6-12 ]		
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
	[ Hyperplasia TGLs = 5-19 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLs = 4-15 ]		
* Pancreas		Infiltration Cellular	Lymphocyte, Moderate
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Extramedullary Hematopoiesis	Mild
	[ Extramedullary Hematopoiesis TGLs = 3-12 ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 184

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-184

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hemorrhage

Marked

Hyperplasia

Cystic, Moderate

[ Hemorrhage TGLs = 1-16, 2-16 ]

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 185

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                             |                           |
|-----------------------------|----------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                      | * Bone Marrow             |
| * Clitoral Gland            | * Esophagus                | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum   | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Kidney                    | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Mammary Gland             | * Nerve Trigeminal        |
| * Nose                      | * Ovary                    | * Peripheral Nerve, Sciatic | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord              | * Spleen                    | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                   | * Trachea                   |                           |

MISSING

- |                             |                          |                     |                   |
|-----------------------------|--------------------------|---------------------|-------------------|
| * Brain Trigeminal Ganglion | * Intestine Small, Ileum | * Parathyroid Gland | * Pituitary Gland |
| * Thyroid Gland             |                          |                     |                   |

OBSERVATIONS

- |                      |  |                        |                     |
|----------------------|--|------------------------|---------------------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain              |  | Mineral                | Mild                |
| * Harderian Gland    |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Islets, Pancreatic |  | Hyperplasia            | Mild                |
| * Liver              |  | Hepatocellular Adenoma | Multiple            |
|                      | [ Hepatocellular Adenoma TGLs = 1-12 ] |                        |                     |
| * Pancreas           |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Salivary Glands    |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Urinary Bladder    |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus             | Endometrium                            | Hyperplasia            | Cystic, Mild        |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 186

TRT#: 2

SEX: Female

DAY ON TEST: 751

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                             |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow               |
| * Brain                    | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Liver                     | * Lung                      |
| * Lymph Node, Mesenteric   | * Mammary Gland             | * Nerve Trigeminal          | * Nose                      |
| * Ovary                    | * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland          | * Salivary Glands           | * Skin                      | * Spinal Cord               |
| * Spleen                   | * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland            | * Trachea                   |                             |                             |

MISSING

- \* Lymph Node, Mandibular

INSUFFICIENT TISSUE

- \* Skeletal Muscle

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                      |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                     |



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 188

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Brain           Mineral      Minimal
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Minimal
- Renal Tubule      Mineral      Minimal
- \* Ovary           Cyst
- Note: One ovary examined.
- \* Spleen           Atrophy      Moderate
- Capsule      Fibrosis      Moderate
- [ Atrophy    TGLs = 2-12 ]
- \* Uterus           Dilation      Moderate
- [ Dilation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 189

TRT#: 2

SEX: Female

DAY ON TEST: 568

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Forestomach

OBSERVATIONS

- \* Adrenal Cortex
  - Bilateral
  - Subcapsular
- \* Brain
- \* Harderian Gland
- \* Heart
  - Myocardium
- \* Kidney
- \* Liver
  - [ Histiocytic Sarcoma TGLs = 7-12, 8-12 ]
- \* Lung
- Lymph Node
  - Iliac
  - Renal
- [ Hemorrhage TGLs = 4-19 ]
- [ Hemorrhage TGLs = 6-20 ]
- [ Histiocytic Sarcoma TGLs = 4-19, 6-20 ]
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
  - Mesentery
  - Fat
- [ Necrosis TGLs = 1-21 ]
- \* Parathyroid GI

- Extramedullary Hematopoiesis
- Hyperplasia
- Mineral
- Infiltration Cellular
- Cardiomyopathy
- Mineral
- Histiocytic Sarcoma
- Histiocytic Sarcoma
- Histiocytic Sarcoma
- Hemorrhage
- Hemorrhage
- Histiocytic Sarcoma
- Histiocytic Sarcoma
- Histiocytic Sarcoma
- Necrosis

- Minimal
- Mild
- Minimal
- Lymphocyte, Minimal
- Mild
- Minimal
- Moderate
- Moderate
- Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 189

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 568

**DOSE:** 0 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-189

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: One parathyroid gland examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Moderate

[ Extramedullary Hematopoiesis TGLs = 3-12 ]

\* Thymus

Atrophy

Marked

[ Atrophy TGLs = 9-6 ]

\* Urinary Bladder

Histiocytic Sarcoma

\* Uterus

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLs = 2-21 ]

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

Animal Note: TGL 5 = NCL; TGL 10 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 190

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nose
- \* Ovary
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Salivary Glands
- \* Skeletal Muscle
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Brain Mineral Mild
- \* Clitoral Gland
  - Note: One clitoral gland examined.
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Lymph Node Mediastinal Hyperplasia Lymphoid, Mild
  - [ Hyperplasia TGLs = 5-21 ]
- \* Pancreas Infiltration Cellular Lymphocyte, Minimal
- \* Skin Subcut Tiss Hemangiosarcoma
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild
- \* Uterus Endometrium Hyperplasia Cystic, Minimal
  - [ Hyperplasia TGLs = 3-24RT ]

Animal Note: TGLs 1 & 4 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 191

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                             |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Aorta                    | * Bone                    | * Bone Marrow               | * Brain Trigeminal Ganglion |
| * Eye                      | * Gallbladder             | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                     |
| * Lung                     | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                      |
| * Ovary                    | * Pancreas                | * Peripheral Nerve, Sciatic | * Pituitary Gland           |
| * Salivary Glands          | * Skeletal Muscle         | * Skin                      | * Spinal Cord               |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                             |

MISSING

- |                          |                    |                     |             |
|--------------------------|--------------------|---------------------|-------------|
| * Adrenal Cortex         | * Adrenal Medulla  | * Clitoral Gland    | * Esophagus |
| * Lymph Node, Mandibular | * Nerve Trigeminal | * Parathyroid Gland |             |

OBSERVATIONS

- |                             |             |                       |                     |
|-----------------------------|-------------|-----------------------|---------------------|
| * Brain                     |             | Mineral               | Minimal             |
| * Harderian Gland           |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary                     |             |                       |                     |
| Note: One ovary examined.   |             |                       |                     |
| * Uterus                    | Endometrium | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ] |             |                       |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 192

TRT#: 2

SEX: Female

DAY ON TEST: 642

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                          |                           |
|--------------------------|-----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla        | * Aorta                     | * Clitoral Gland         | * Esophagus               |
| * Eye                    | * Intestine Large, Cecum    | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic     | * Lymph Node, Mesenteric  |
| * Mammary Gland          | * Nerve Trigeminal          | * Nose                   | * Pancreas                |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle         |
| * Skin                   | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular      |
| * Thymus                 | * Thyroid Gland             | * Trachea                | * Urinary Bladder         |

MISSING

- \* Brain Trigeminal Ganglion

AUTO PRECLUDES DIAG.

- |               |                             |
|---------------|-----------------------------|
| * Gallbladder | * Intestine Small, Duodenum |
|---------------|-----------------------------|

OBSERVATIONS

- |  |                               |                       |                      |
|--|-------------------------------|-----------------------|----------------------|
| * Adrenal Cortex   | Subcapsular                   | Hyperplasia           | Mild                 |
| * Bone   |                               | Osteosarcoma          |                      |
| Note: The lesion in the femur looks much like hyperostosis, but it is the likely origin of the metastatic osteosarcoma in the lungs and liver. |                               |                       |                      |
| * Bone Marrow  |                               | Hypocellularity       | Moderate             |
| * Brain  |                               | Hemorrhage            | Mild                 |
|  |                               | Mineral               | Mild                 |
|  |                               | Necrosis              | Mild                 |
| * Harderian Gland  |                               | Infiltration Cellular | Lymphocyte, Minimal  |
| * Heart  |                               | Bacteria              |                      |
|  | Myocardium                    | Inflammation          | Chronic Active, Mild |
|  |                               | Thrombus              | Moderate             |
| Note: Septic Thrombus  |                               |                       |                      |
| * Kidney   | Bilateral                     | Infarct               | Moderate             |
|  | [ Infarct TGLs = 3-13, 4-13 ] |                       |                      |
| * Liver  |                               | Osteosarcoma          | Metastatic (Bone)    |
|  | [ Osteosarcoma TGLs = 5-12 ]  |                       |                      |
| * Lung   |                               | Osteosarcoma          | Metastatic (Bone)    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 192

TRT#: 2

SEX: Female

DAY ON TEST: 642

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-192

ORGAN AND ACCOUNTABLE SITE STATUS

[ Osteosarcoma TGLs = 6-19, 7-20 ]

\* Lymph Node, Mandibular

Hemorrhage

Minimal

Mesentery

Fat

Necrosis

Mild

[ Necrosis TGLs = 2-21 ]

\* Ovary

Cyst

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Lung Osteosarcoma Bone

CONTRIBUTORY CAUSE OF DEATH

- Liver Osteosarcoma Bone

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 193

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                   | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle        | * Skin                     | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                    |
| * Thyroid Gland             | * Trachea                |                            |                             |

MISSING

- \* Aorta

INSUFFICIENT TISSUE

- \* Ovary

OBSERVATIONS

- |                                    |                |                                |                       |
|------------------------------------|----------------|--------------------------------|-----------------------|
| * Adrenal Cortex                   | Subcapsular    | Hyperplasia                    | Mild                  |
| * Brain                            |                | Mineral                        | Mild                  |
| * Clitoral Gland                   |                |                                |                       |
| Note: One clitoral gland examined. |                |                                |                       |
| * Harderian Gland                  |                | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Kidney                           | Interstitial   | Infiltration Cellular          | Lymphocyte, Mild      |
|                                    |                | Nephropathy                    | Chronicprogr, Minimal |
| * Lung                             |                | Alveolar/Bronchiolar Carcinoma |                       |
|                                    | Alveolar Epith | Hyperplasia                    | Focal, Mild           |
| [ Alveolar/Bronchiolar Carcinoma   | TGLs = 4-10 ]  |                                |                       |
| Lymph Node                         | Bronchial      | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung)     |
| [ Alveolar/Bronchiolar Carcinoma   | TGLs = 3-19 ]  |                                |                       |
| Mesentery                          | Fat            | Necrosis                       | Moderate              |
| [ Necrosis TGLs = 2-6 ]            |                |                                |                       |
| * Pancreas                         |                | Infiltration Cellular          | Lymphocyte, Minimal   |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 193

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-193

ORGAN AND ACCOUNTABLE SITE STATUS

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Dilation

Moderate

Endometrium

Hyperplasia

Cystic, Moderate

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 194

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Brain Trigeminal Ganglion

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Clitoral GI
- Note: One clitoral gland examined.
- \* Kidney                                      Interstitium                      Infarct                              Mild
- \* Liver                                      Hepatocyte                      Infiltration Cellular              Lymphocyte, Mild
- Fatty Change                      Focal, Mild
- Hepatoblastoma
- Hepatocellular Adenoma
- Infiltration Cellular                      Lymphocyte, Mild
- [ Fatty Change    TGLs = 5-12 ]
- [ Hepatoblastoma    TGLs = 4-12 ]
- [ Hepatocellular Adenoma    TGLs = 3-19RT ]
- \* Ovary                                      Cyst
- \* Parathyroid GI

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 194

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 0 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-194

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

\* Urinary Bladder

\* Uterus

Endometrium

[ Hyperplasia TGLs = 2-16, 1-19RT ]

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Cystic, Moderate

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 195

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Liver                     | * Lung                   | * Mammary Gland             |
| * Nerve Trigeminal        | * Nose                      | * Ovary                  | * Peripheral Nerve, Sciatic |
| * Pituitary Gland         | * Salivary Glands           | * Skeletal Muscle        | * Skin                      |
| * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular        |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder           |

MISSING

- |                             |                          |                          |                     |
|-----------------------------|--------------------------|--------------------------|---------------------|
| * Brain Trigeminal Ganglion | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland |
|-----------------------------|--------------------------|--------------------------|---------------------|

OBSERVATIONS

- |                                     |              |                       |                     |
|-------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular  | Hyperplasia           | Mild                |
| * Harderian Gland                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                            | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
|                                     |              | Metaplasia            | Osseous             |
| * Pancreas                          |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                            | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16, 1-19RT ] |              |                       |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 196

TRT#: 2

SEX: Female

DAY ON TEST: 744

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-196

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Bone                     | * Bone Marrow             | * Brain Trigeminal Ganglion |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nerve Trigeminal          |
| * Nose                   | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Skeletal Muscle          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Thyroid Gland          | * Trachea                  |                           |                             |

**MISSING**

- |         |                  |                             |
|---------|------------------|-----------------------------|
| * Aorta | * Clitoral Gland | * Peripheral Nerve, Sciatic |
|---------|------------------|-----------------------------|

**OBSERVATIONS**

- |  |              |                          |                     |
|--|--------------|--------------------------|---------------------|
| * Adrenal Cortex                         | Subcapsular  | Hyperplasia              | Mild                |
| * Brain                                  |              | Mineral                  | Mild                |
| * Harderian Gland                        |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Kidney                                 | Interstitium | Infiltration Cellular    | Lymphocyte, Mild    |
| * Liver                                  |              | Eosinophilic Focus       |                     |
|  |              | Fatty Change             | Moderate            |
|  |              | Hepatocellular Carcinoma |                     |
|  |              |                          |                     |
|  |              |                          |                     |
| [ Fatty Change TGLs = 5-23 ]             |              |                          |                     |
| [ Hepatocellular Carcinoma TGLs = 4-19 ] |              |                          |                     |
| * Salivary Glands                        |              | Infiltration Cellular    | Lymphocyte, Minimal |
| * Urinary Bladder                        |              | Infiltration Cellular    | Lymphocyte, Mild    |
| * Uterus                                 |              | Dilation                 | Moderate            |
|  | Endometrium  | Hyperplasia              | Cystic, Moderate    |
|  |              |                          |                     |
|  |              |                          |                     |
| [ Dilation TGLs = 2-21RT ]               |              |                          |                     |
| [ Hyperplasia TGLs = 2-21RT ]            |              |                          |                     |

Animal Note: TGLs 1 & 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 197

TRT#: 2

SEX: Female

DAY ON TEST: 493

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                     |                             |
|-----------------------------|--------------------------|---------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone              | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Eye               | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland     | * Nerve Trigeminal          |
| * Nose                      | * Ovary                  | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands        | * Skeletal Muscle   | * Skin                      |
| * Spinal Cord               | * Thymus                 | * Thyroid Gland     | * Trachea                   |

**MISSING**

- \* Esophagus

**AUTO PRECLUDES DIAG.**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Pancreas                  | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |

**OBSERVATIONS**

- |                   |             |                       |                     |
|-------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular | Hyperplasia           | Mild                |
| * Brain           |             | Mineral               | Minimal             |
| * Harderian Gland |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart           | Myocardium  | Mineral               | Mild                |
|                   |             | Thrombus              | Moderate            |
| * Kidney          |             | Infarct               | Moderate            |
| * Liver           |             | Fatty Change          | Moderate            |
|                   |             | Necrosis              | Marked              |

[ Fatty Change TGLs = 3-12 ]

[ Necrosis TGLs = 3-12 ]

- \* Parathyroid GI

Note: One parathyroid evaluated.

- \* Pituitary GI

Note: Pars distalis evaluated.

- \* Urinary Bladder

- \* Uterus

- |  |             |                       |                     |
|--|-------------|-----------------------|---------------------|
|  | Endometrium | Infiltration Cellular | Lymphocyte, Minimal |
|  |             | Hyperplasia           | Cystic, Moderate    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 197

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 493

**DOSE:** 0 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-197

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

**PRIMARY CAUSE OF DEATH** - Liver Necrosis

---

Animal Note: TGLs 2 & 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 200

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Ovary

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Adren Medulla  
    Note: One adrenal medulla examined.
- \* Brain                                      Mineral                                      Mild
- \* Clitoral Gland  
    Note: One clitoral gland examined.
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- Mesentery                                      Fat                                      Necrosis                                      Moderate
- [ Necrosis    TGLs = 2-20 ]
- \* Parathyroid Gland  
    Note: One parathyroid gland examined.
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Mild
- \* Skin                                      Subcut Tiss                                      Sarcoma
- [ Sarcoma    TGLs = 1-19 ]
- \* Uterus                                      Endometrium                                      Hyperplasia                      Cystic, Mild

PRIMARY CAUSE OF DEATH                      - Skin Subcut Tiss Sarcoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

\* Nerve Trigeminal

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adren Medulla			
Note: One adrenal medulla examined.			
* Brain		Mineral	Mild
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLs = 1-16 ]			

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 577

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular

MISSING

- \* Ovary

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Histiocytic Sarcoma
    - Hyperplasia
- \* Bone Marrow
  - Histiocytic Sarcoma
- \* Brain
  - Hemorrhage
  - Histiocytic Sarcoma
- \* Heart
  - [ Hemorrhage TGLs = 8-1, 8-19 ]
  - Myocardium
    - Histiocytic Sarcoma
    - Mineral
- \* Kidney
  - Histiocytic Sarcoma
- \* Liver
  - Histiocytic Sarcoma
  - [ Histiocytic Sarcoma TGLs = 5-12, 6-12 ]
- \* Lung
  - Histiocytic Sarcoma
  - [ Histiocytic Sarcoma TGLs = 3-10 ]
- Lymph Node
  - Histiocytic Sarcoma
  - [ Histiocytic Sarcoma TGLs = 7-20 ]
- \* Lymph Node, Mandibular
  - Histiocytic Sarcoma
- \* Lymph Node, Mesenteric
  - Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 577

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-203

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Histiocytic Sarcoma	
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skeletal Muscle		Mineral	Minimal
* Spleen		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLs = 4-12 ]		
* Thymus		Histiocytic Sarcoma	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Dilation	Mild
	[ Dilation TGLs = 1-16 ]		

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Histiocytic Sarcoma

Animal Note: TGLs 2, 9, 10, & 11 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                          |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                    | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       |
| * Nose                     | * Ovary                     | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Skeletal Muscle          | * Skin                      | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          |
| * Trachea                  |                             |                             |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                     |              |                       |                     |
|-------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                    |              | Adenoma               |                     |
|                                     | Subcapsular  | Hyperplasia           | Mild                |
| * Adren Medulla                     |              |                       |                     |
| Note: One adrenal medulla examined. |              |                       |                     |
| * Harderian Gland                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                            | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary                             |              |                       |                     |
| Note: One ovary examined.           |              |                       |                     |
| * Pancreas                          |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                   |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                            | Endometrium  | Hyperplasia           | Cystic, Mild        |

Animal Note: [TGLs 1=NCL]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands           | * Skeletal Muscle        | * Skin                      |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland             |
| * Trachea                   |                             |                          |                             |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- |                   |              |                       |                      |
|-------------------|--------------|-----------------------|----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                 |
| * Brain           |              | Mineral               | Minimal              |
| * Harderian Gland |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Kidney          |              | Infarct               | Minimal              |
|                   | Interstitium | Infiltration Cellular | Lymphocyte, Moderate |
| * Liver           |              | Infiltration Cellular | Mononuclear Cl, Mild |
| * Pancreas        |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Spleen          |              | Hyperplasia           | Lymphoid, Mild       |
| * Thymus          |              | Cyst                  |                      |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Moderate |
| * Uterus          |              | Dilation              | Moderate             |
|                   | Endometrium  | Hyperplasia           | Cystic, Moderate     |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Aorta                     | * Bone                   | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                   | * Ovary                    | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle        | * Skin                     | * Spinal Cord               |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland             |
| * Trachea                   |                          |                            |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |   |                              |                     |
|-------------------|---|------------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                               | Hyperplasia                  | Mild                |
| * Adrenal Medulla |   | Pheochromocytoma Malignant   |                     |
|                   | [ Pheochromocytoma Malignant TGLs = 2-7 ] |                              |                     |
| * Brain           |   | Mineral                      | Mild                |
| * Harderian Gland |   | Adenoma                      |                     |
|                   | [ Adenoma TGLs = 5-5 ]                    |                              |                     |
| * Kidney          |   | Histiocytic Sarcoma          |                     |
|                   | Interstitium                              | Infiltration Cellular        | Lymphocyte, Mild    |
| * Liver           |   | Histiocytic Sarcoma          |                     |
|                   | [ Histiocytic Sarcoma TGLs = 3-12, 4-12 ] |                              |                     |
| * Pancreas        |   | Infiltration Cellular        | Lymphocyte, Minimal |
| * Salivary Glands |   | Infiltration Cellular        | Lymphocyte, Minimal |
| * Spleen          |   | Extramedullary Hematopoiesis | Mild                |
| * Urinary Bladder |   | Infiltration Cellular        | Lymphocyte, Mild    |
| * Uterus          |   | Histiocytic Sarcoma          |                     |
|                   | [ Histiocytic Sarcoma TGLs = 1-16 ]       |                              |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 607

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Skin
- \* Thymus
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spinal Cord
- \* Trachea

MISSING

- \* Aorta
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Hemorrhage
    - Hyperplasia
    - Hemorrhage
- \* Adrenal Medulla
  - Note: One adrenal medulla examined.
- \* Brain
  - Mineral
- \* Harderian Gland
  - Infiltration Cellular
- \* Kidney
  - Interstitial
    - Infiltration Cellular
    - Eosinophilic Focus
    - Hepatocellular Adenoma
- \* Liver
  - [ Eosinophilic Focus TGLs = 4-12 ]
  - [ Hepatocellular Adenoma TGLs = 3-12, 5-12 ]
- \* Lung
  - Carcinoma
- \* Pancreas
  - Infiltration Cellular
- \* Salivary Glands
  - Infiltration Cellular
- \* Skeletal Muscle
  - Infiltration Cellular
- \* Spleen
  - Extramedullary Hematopoiesis
- \* Thyroid Gland
  - C Cell
    - Carcinoma
- \* Urinary Bladder
  - Infiltration Cellular
- \* Uterus
  - Dilation

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 607

DOSE: 0 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-207

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Endometrium

Hyperplasia

Cystic, Mild

[ Dilation TGLs = 1-16 ]

---

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 743

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                | * Eye                     |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Mammary Gland             | * Nerve Trigeminal         | * Nose                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Trachea                   |                            |                           |

MISSING

- |                     |                 |
|---------------------|-----------------|
| * Parathyroid Gland | * Thyroid Gland |
|---------------------|-----------------|

INSUFFICIENT TISSUE

- |                          |                   |
|--------------------------|-------------------|
| * Lymph Node, Mesenteric | * Pituitary Gland |
|--------------------------|-------------------|

OBSERVATIONS

- |                             |                 |                       |                     |
|-----------------------------|-----------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular     | Hyperplasia           | Mild                |
| * Brain                     |                 | Mineral               | Minimal             |
| * Gallbladder               |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Harderian Gland           |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Kidney                    |                 | Infarct               | Mild                |
|                             | Interstitialium | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver                     |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Lung                      |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Ovary                     |                 | Cyst                  |                     |
| Note: One ovary examined.   |                 |                       |                     |
| [ Cyst TGLs = 1-16 ]        |                 |                       |                     |
| * Salivary Glands           |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder           |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    | Endometrium     | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 2-16 ] |                 |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 750

DOSE: 0 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                             |                             |
|--------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone Marrow               | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland             | * Nerve Trigeminal          |
| * Nose                   | * Ovary                    | * Peripheral Nerve, Sciatic | * Salivary Glands           |
| * Skeletal Muscle        | * Skin                     | * Spinal Cord               | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                    | * Thyroid Gland             |
| * Trachea                |                            |                             |                             |

MISSING

- |                             |                     |
|-----------------------------|---------------------|
| * Brain Trigeminal Ganglion | * Parathyroid Gland |
|-----------------------------|---------------------|

OBSERVATIONS

- |                                  |               |                       |                     |
|----------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                 | Subcapsular   | Hyperplasia           | Mild                |
| * Bone                           |               | Fibro-Osseous Lesion  | Minimal             |
| * Brain                          |               | Mineral               | Minimal             |
| * Harderian Gland                |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                         | Interstitial  | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver                          |               | Clear Cell Focus      |                     |
|                                  |               | Fatty Change          | Minimal             |
|                                  |               | Infiltration Cellular | Lymphocyte, Minimal |
|                                  |               | Mixed Cell Focus      |                     |
| [ Mixed Cell Focus TGLs = 2-12 ] |               |                       |                     |
| * Pancreas                       |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Pituitary Gland                | Pars Distalis | Adenoma               |                     |
| [ Adenoma TGLs = 3-4 ]           |               |                       |                     |
| * Urinary Bladder                |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                         | Endometrium   | Hyperplasia           | Cystic, Minimal     |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 644

DOSE: 0 W/kg

DISP: Natural Death

HISTO: 12-5117-210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                   |                   |
|-----------------------------|-----------------------------|-------------------|-------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone            | * Bone Marrow     |
| * Brain Trigeminal Ganglion | * Esophagus                 | * Eye             | * Heart           |
| * Lung                      | * Lymph Node, Mandibular    | * Mammary Gland   | * Nose            |
| * Ovary                     | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Skeletal Muscle |
| * Skin                      | * Spinal Cord               | * Thymus          | * Trachea         |
| * Urinary Bladder           | * Uterus                    |                   |                   |

MISSING

- |                     |                      |                    |            |
|---------------------|----------------------|--------------------|------------|
| * Clitoral Gland    | * Islets, Pancreatic | * Nerve Trigeminal | * Pancreas |
| * Parathyroid Gland |                      |                    |            |

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lymph Node, Mesenteric    | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             |                          |                            |                           |

OBSERVATIONS

- |                   |                          |                       |                     |
|-------------------|--------------------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular              | Hyperplasia           | Mild                |
| * Brain           |                          | Mineral               | Minimal             |
| * Harderian Gland |                          | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver           |                          | Necrosis              | Moderate            |
|                   | [ Necrosis TGLs = 5-12 ] |                       |                     |
| * Salivary Glands |                          | Infiltration Cellular | Lymphocyte, Minimal |

PRIMARY CAUSE OF DEATH - Liver Necrosis

Animal Note: TGLs 1-4 and 6-9 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 946

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                   |                             |                          |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |               |                              |                     |
|---------------------------------------|---------------|------------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia                  | Mild                |
| * Brain                               |               | Mineral                      | Minimal             |
| * Harderian Gland                     |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                              | Interstitium  | Infiltration Cellular        | Lymphocyte, Minimal |
| * Liver                               |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Lung                                |               | Alveolar/Bronchiolar Adenoma |                     |
| [ Alveolar/Bronchiolar Adenoma        | TGLs = 2-10 ] |                              |                     |
| * Ovary                               |               | Cyst                         |                     |
| * Parathyroid Gland                   |               |                              |                     |
| Note: One parathyroid gland examined. |               |                              |                     |
| * Peripheral Nerve, Sciatic           | Axon          | Degeneration                 | Mild                |
| * Salivary Glands                     |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Urinary Bladder                     |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Uterus                              | Endometrium   | Hyperplasia                  | Cystic, Moderate    |
| [ Hyperplasia                         | TGLs = 1-16 ] |                              |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 947

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Peripheral Nerve, Sciatic | * Skeletal Muscle          |
| * Skin                      | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                   | * Urinary Bladder          |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                   |  |                          |                     |
|-------------------|--|--------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia              | Mild                |
| * Brain           |  | Mineral                  | Minimal             |
| * Harderian Gland |  | Adenoma                  |                     |
|                   | [ Adenoma TGLs = 4-5 ]                   |                          |                     |
| * Kidney          | Interstitial                             | Infiltration Cellular    | Lymphocyte, Mild    |
| * Liver           |  | Hepatocellular Carcinoma |                     |
|                   | [ Hepatocellular Carcinoma TGLs = 3-12 ] |                          |                     |
| * Ovary           | Follicle                                 | Cyst                     |                     |
|                   | [ Cyst TGLs = 2-16 ]                     | Cyst                     |                     |
| * Pancreas        |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Salivary Glands |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Spinal Cord     |  | Metaplasia               | Osseous             |
| * Uterus          | Endometrium                              | Hyperplasia              | Cystic, Moderate    |
|                   | [ Hyperplasia TGLs = 1-16 ]              |                          |                     |

Animal Note: TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 948

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Mammary Gland             | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Salivary Glands           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                  | * Thyroid Gland             | * Trachea                |

MISSING

- |                          |                    |
|--------------------------|--------------------|
| * Lymph Node, Mandibular | * Nerve Trigeminal |
|--------------------------|--------------------|

INSUFFICIENT TISSUE

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |  |              |                       |                     |
|--|--------------|-----------------------|---------------------|
| * Adrenal Cortex                                 | Subcapsular  | Hyperplasia           | Mild                |
| Note: There is one partial adrenal in section 3. |              |                       |                     |
| * Brain  |              | Mineral               | Mild                |
| * Kidney   | Interstitial | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary  |              | Angiectasis           | Moderate            |
| [ Angiectasis TGLs = 1-16 ]                      |              |                       |                     |
| * Parathyroid Gland                              |              |                       |                     |
| Note: One parathyroid gland examined.            |              |                       |                     |
| * Urinary Bladder                                |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus   | Endometrium  | Hyperplasia           | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 949

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular    | * Mammary Gland             | * Nose                      | * Ovary                  |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                    | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                    |              |                       |                     |
|------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                   | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                            |              | Mineral               | Mild                |
| * Harderian GI                     |              |                       |                     |
| Note: One Harderian gland examined |              |                       |                     |
| * Kidney                           |              | Infarct               | Mild                |
|                                    | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Lymph Node, Mesenteric           |              | Hemorrhage            | Minimal             |
| * Pancreas                         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Pituitary GI                     |              |                       |                     |
| Note: Pars distalis examined.      |              |                       |                     |
| * Salivary Glands                  |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid Gland                    |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                           | Endometrium  | Hyperplasia           | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 950

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Ovary
- \* Spinal Cord
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Thymus

INSUFFICIENT TISSUE

- \* Adrenal Cortex
- \* Adrenal Medulla

OBSERVATIONS

- \* Brain
- \* Harderian Gland
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- Lymph Node
- \* Lymph Node, Mesenteric
- Mineral
- Infiltration Cellular
- Cardiomyopathy
- Infiltration Cellular
- Infarct
- Interstitial
- Nephropathy
- Hepatocellular Adenoma
- Infiltration Cellular
- Hemorrhage
- Infiltration Cellular
- Hemorrhage
- Lymphoma Malignant
- Hemangiosarcoma
- Mild
- Lymphocyte, Minimal
- Mild
- Lymphocyte, Mild
- Mild
- Lymphocyte, Minimal
- Chronicprogr, Minimal
- Lymphocyte, Mild
- Mild
- Histiocyte, Mild
- Minimal

[ Hepatocellular Adenoma TGLs = 7-12 ]

[ Hemorrhage TGLs = 8-20 ]

[ Lymphoma Malignant TGLs = 6-19, 4-20, 5-21, 9-21 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 950

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-950

ORGAN AND ACCOUNTABLE SITE STATUS

[ Hemangiosarcoma TGLs = 3-15 ]

\* Pancreas

Infiltration Cellular

Lymphocyte, Minimal

\* Pituitary Gland

Pars Distalis

Angiectasis

Moderate

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Moderate

Hyperplasia

Lymphoid, Mild

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

[ Hyperplasia TGLs = 2-12 ]

\* Thyroid Gland

Follicular Cel

Adenoma

Note: One thyroid gland examined.

[ Adenoma TGLs = 10-8 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 951

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            |
| * Trachea                   |                             |                             |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |  |                          |                       |                     |
|--|--------------------------|-----------------------|---------------------|
| * Adrenal Cortex   | Subcapsular              | Hyperplasia           | Mild                |
| * Adren Medulla  |                          |                       |                     |
| Note: One adrenal medulla examined.                              |                          |                       |                     |
| * Brain  |                          | Mineral               | Mild                |
| * Harderian Gland  |                          | Adenoma               |                     |
|  |                          | Infiltration Cellular | Lymphocyte, Minimal |
|  | [ Adenoma TGLs = 5-5 ]   |                       |                     |
| * Kidney   |                          | Infarct               | Mild                |
|  | Interstitialium          | Infiltration Cellular | Lymphocyte, Minimal |
|  | [ Infarct TGLs = 3-13 ]  |                       |                     |
| Mesentery  | Fat                      | Necrosis              | Moderate            |
|  | [ Necrosis TGLs = 4-15 ] |                       |                     |
| * Ovary  |                          |                       |                     |
| Note: The gross lesion consisted of multiple corpora hemorrhica. |                          |                       |                     |
| * Salivary Glands  |                          | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder  |                          | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus   | Endometrium              | Hyperplasia           | Cystic, Moderate    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 951

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-951

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 2-16 ]

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 952

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Nerve Trigeminal	* Pituitary Gland
--------------------	-------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
* Lung		Hemorrhage	Minimal
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Parathyroid Gl			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[ Hyperplasia TGLs = 1-16 ]

Animal Note: TGLs 2 and 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 953

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Liver
- \* Ovary
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
  - Bilateral
  - Hyperplasia
  - Vacuolization Cytoplasmic
  - Mild
- \* Brain
  - Mineral
  - Mild
- \* Intestine Small, Ileum
  - Peyers Patch
  - Hyperplasia
  - Inflammation
  - Lymphoid, Moderate
  - Suppurative, Marked
- [ Hyperplasia TGLs = 4-19 ]
  - [ Inflammation TGLs = 4-19 ]
- \* Kidney
  - Interstitial
  - Infiltration Cellular
  - Lymphocyte, Minimal
- \* Lung
  - Lymph Node
  - Iliac
  - Infiltration Cellular
  - Histiocyte, Mild
- Renal
  - Infiltration Cellular
  - Mixed Cell, Moderate
- Bronchial
  - Infiltration Cellular
  - Mixed Cell, Moderate
- [ Infiltration Cellular TGLs = 5-20 ]
  - [ Infiltration Cellular TGLs = 7-21 ]
  - [ Infiltration Cellular TGLs = 8-22 ]
- \* Lymph Node, Mesenteric
  - Hyperplasia
  - Lymphoid, Marked
- [ Hyperplasia TGLs = 3-15 ]
- \* Pituitary Gland
  - Pars Distalis
  - Adenoma
- [ Adenoma TGLs = 9-4 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 953

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-953

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Spleen

Extramedullary Hematopoiesis

Moderate

[ Extramedullary Hematopoiesis TGLs = 2-12 ]

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 1-16 ]

---

Animal Note: TGLs 6 and 10 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 954

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland             |
| * Nose                      | * Ovary                     | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skin                      | * Spinal Cord            | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder           |                             |                          |                             |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                          |                             |                       |                       |
|--------------------------|-----------------------------|-----------------------|-----------------------|
| * Adrenal Cortex         | Subcapsular                 | Hyperplasia           | Mild                  |
| * Brain                  |                             | Mineral               | Mild                  |
| * Harderian Gland        |                             | Infiltration Cellular | Lymphocyte, Mild      |
| * Kidney                 | Interstitium                | Infiltration Cellular | Lymphocyte, Mild      |
|                          |                             | Nephropathy           | Chronicprogr, Minimal |
| * Liver                  |                             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Lymph Node, Mesenteric |                             | Infiltration Cellular | Histiocyte, Mild      |
| * Salivary Glands        |                             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Skeletal Muscle        |                             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Spleen                 |                             | Hyperplasia           | Lymphoid, Minimal     |
|                          | [ Hyperplasia TGLs = 2-12 ] |                       |                       |
| * Uterus                 |                             | Dilation              | Moderate              |
|                          | [ Dilation TGLs = 1-16 ]    |                       |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 956

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |               |                        |                     |
|---------------------------------------|---------------|------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia            | Mild                |
| * Brain                               |               | Mineral                | Minimal             |
| * Harderian Gland                     |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                              |               | Infarct                | Minimal             |
|                                       | Interstitium  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver                               |               | Hepatocellular Adenoma |                     |
| * Parathyroid Gland                   |               |                        |                     |
| Note: One parathyroid gland examined. |               |                        |                     |
| * Pituitary Gland                     | Pars Distalis | Adenoma                |                     |
| [ Adenoma TGLs = 2-4 ]                |               |                        |                     |
| * Salivary Glands                     |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Urinary Bladder                     |               | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus                              |               | Dilation               | Moderate            |
| [ Dilation TGLs = 1-16 ]              |               |                        |                     |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 957

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland             |
| * Nose                      | * Ovary                     | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland             |
| * Trachea                   | * Urinary Bladder           |                          |                             |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                          |  |                           |                     |
|--------------------------|--|---------------------------|---------------------|
| * Adrenal Cortex         | Subcapsular                                  | Hyperplasia               | Mild                |
|                          |  | Vacuolization Cytoplasmic | Mild                |
| * Brain                  |  | Mineral                   | Mild                |
| * Harderian Gland        |  | Hyperplasia               | Focal, Mild         |
|                          |  | Infiltration Cellular     | Lymphocyte, Minimal |
| * Kidney                 | Interstitium                                 | Infiltration Cellular     | Lymphocyte, Mild    |
| * Liver                  |  | Hepatocellular Adenoma    | Multiple            |
|                          |  | Infiltration Cellular     | Lymphocyte, Minimal |
|                          | [ Hepatocellular Adenoma TGLs = 3-12, 4-12 ] |                           |                     |
| * Lymph Node, Mandibular |  | Hemorrhage                | Minimal             |
| Mesentery                | Fat  | Necrosis                  | Mild                |
|                          | [ Necrosis TGLs = 1-19 ]                     |                           |                     |
| * Ovary                  |  |                           |                     |
|                          | Note: One ovary examined.                    |                           |                     |
| * Pancreas               |  | Infiltration Cellular     | Lymphocyte, Minimal |
| * Parathyroid GI         |  |                           |                     |
|                          | Note: One parathyroid gland examined.        |                           |                     |
| * Salivary Glands        |  | Infiltration Cellular     | Lymphocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 957

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-957

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

\* Uterus

[ Hyperplasia TGLs = 2-16 ]

Endometrium

Cyst

Hyperplasia

Cystic, Moderate

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 958

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 695

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-958

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nerve Trigeminal	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

**MISSING**

* Pancreas	* Thymus
------------	----------

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Spleen			

**OBSERVATIONS**

* Adrenal Cortex Note: One adrenal cortex examined.	Subcapsular	Hyperplasia	Mild
* Adren Medulla Note: One adrenal medulla examined			
* Bone Marrow		Hypercellularity	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Fatty Change	Minimal
		Hepatocellular Carcinoma	
		Necrosis	Mild
[ Hepatocellular Carcinoma TGLs = 1-12 ]			
* Lymph Node, Mesenteric [ Infiltration Cellular TGLs = 4-15 ]		Infiltration Cellular	Histiocyte, Mild
* Parathyroid GI Note: One parathyroid examined.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 958

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 695

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-958

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

---

Animal Note: TGLs 2 and 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 959

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Salivary Glands           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            |
| * Trachea                   | * Urinary Bladder           |                          |                            |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                   |   |                              |                     |
|-------------------|---|------------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                  | Mild                |
| * Brain           |   | Mineral                      | Minimal             |
| * Harderian Gland |   | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney          |   | Lymphoma Malignant           |                     |
| * Liver           |   | Lymphoma Malignant           |                     |
|                   | [ Lymphoma Malignant TGLs = 4-19, 5-12, 6-12, 7-20, 8-21, 9-22, 10-23 ] |                              |                     |
| * Ovary           | Paraovarian   | Cyst                         |                     |
|                   | [ Cyst TGLs = 2-16 ]  |                              |                     |
| * Parathyroid GI  |   |                              |                     |
|                   | Note: One parathyroid gland examined.                                   |                              |                     |
| * Spleen          |   | Extramedullary Hematopoiesis | Moderate            |
|                   | [ Extramedullary Hematopoiesis TGLs = 3-12 ]                            | Lymphoma Malignant           |                     |
| * Thymus          |   | Cyst                         |                     |
| * Uterus          | Endometrium   | Hyperplasia                  | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 959

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-959

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 960

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-960

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder           |                             |                          |                            |

**MISSING**

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

**OBSERVATIONS**

- |                                   |              |                       |                     |
|-----------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                  | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                           |              | Mineral               | Mild                |
| * Harderian Gland                 |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                          |              | Infarct               | Mild                |
|                                   | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Thymus                          |              | Cyst                  |                     |
| * Thyroid GI                      |              |                       |                     |
| Note: One thyroid gland examined. |              |                       |                     |
| * Uterus                          | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]       |              |                       |                     |

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 961

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nerve Trigeminal         |
| * Nose                      | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |  |                                |                       |
|-------------------|--|--------------------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                    | Mild                  |
| * Brain           |  | Mineral                        | Mild                  |
| * Harderian Gland |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Kidney          | Interstitium   | Infiltration Cellular          | Lymphocyte, Minimal   |
|                   |  | Nephropathy                    | Chronicprogr, Minimal |
| * Liver           |  | Necrosis                       | Minimal               |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma |                       |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ]                 |                                |                       |
| * Ovary           |  |                                |                       |
|                   | Note: The gross lesion noted is a normal corpus hemorrhagicum. |                                |                       |
| * Parathyroid GI  |  |                                |                       |
|                   | Note: One parathyroid gland examined.                          |                                |                       |
| * Salivary Glands |  | Infiltration Cellular          | Lymphocyte, Minimal   |
| * Uterus          | Endometrium  | Hyperplasia                    | Cystic, Moderate      |

Animal Note: TGL 1 = NCL

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 962

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland             | * Nose                    |
| * Ovary                     | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Skeletal Muscle         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular      |
| * Thyroid Gland             | * Trachea                |                             |                           |

MISSING

- |                  |                    |
|------------------|--------------------|
| * Clitoral Gland | * Nerve Trigeminal |
|------------------|--------------------|

OBSERVATIONS

- |  |               |                              |                     |
|--|---------------|------------------------------|---------------------|
| * Adrenal Cortex                       | Subcapsular   | Hyperplasia                  | Minimal             |
| * Brain                                |               | Mineral                      | Minimal             |
| * Gallbladder                          |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                               | Interstitium  | Infiltration Cellular        | Lymphocyte, Minimal |
| * Liver                                |               | Hepatocellular Adenoma       |                     |
|  |               | Infiltration Cellular        | Lymphocyte, Minimal |
| [ Hepatocellular Adenoma TGLs = 2-19 ] |               |                              |                     |
| * Lung                                 |               | Alveolar/Bronchiolar Adenoma |                     |
| * Pancreas                             |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Parathyroid Gland                    |               |                              |                     |
| Note: One parathyroid gland examined.  |               |                              |                     |
| * Pituitary Gland                      | Pars Distalis | Angiectasis                  | Mild                |
| * Salivary Glands                      |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Spinal Cord                          |               | Degeneration                 | Mild                |
| * Thymus                               |               | Hemorrhage                   | Minimal             |
| * Urinary Bladder                      |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Uterus                               | Endometrium   | Hyperplasia                  | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ]            |               |                              |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 963

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 579

**DOSE:** 2.5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-963

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nerve Trigeminal
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

**MISSING**

* Brain Trigeminal Ganglion	* Gallbladder
-----------------------------	---------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Osteosarcoma	Metastatic (Uncertain Primary Site)
[ Osteosarcoma TGLs = 4-1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Hepatocellular Adenoma	
		Osteosarcoma	Metastatic (Brain)
Note: The metastatic osteosarcoma is within the blood vessels of the hepatocellular adenoma.			
[ Hepatocellular Adenoma TGLs = 5-12 ]			
* Lung		Osteosarcoma	Metastatic (Brain)
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLs = 1-19, 2-19,3-20 ]			
* Ovary		Cyst	
* Parathyroid Gland			
Note: One parathyroid gland evaluated.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Atrophy	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 963

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 579

**DOSE:** 2.5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-963

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Brain Osteosarcoma Uncertain Primary Site

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 964

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                          |
|-----------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                    |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Liver                     | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                       |                  |                       |                      |
|---------------------------------------|------------------|-----------------------|----------------------|
| * Adrenal Cortex                      | Subcapsular      | Hyperplasia           | Mild                 |
| * Brain                               | Artery, Meninges | Inflammation          | Chronic Active, Mild |
|                                       |                  | Mineral               | Mild                 |
| * Harderian Gland                     |                  | Infiltration Cellular | Lymphocyte, Mild     |
| * Intestine Small, Jejunum            | Peyers Patch     | Hyperplasia           | Lymphoid, Moderate   |
| * Kidney                              | Interstitium     | Infiltration Cellular | Lymphocyte, Minimal  |
| * Parathyroid Gland                   |                  |                       |                      |
| Note: One parathyroid gland examined. |                  |                       |                      |
| * Salivary Glands                     |                  | Infiltration Cellular | Lymphocyte, Minimal  |
| * Urinary Bladder                     |                  | Infiltration Cellular | Lymphocyte, Minimal  |
| * Uterus                              | Endometrium      | Hyperplasia           | Cystic, Moderate     |

[ Hyperplasia TGLs = 1-16 ]

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 966

TRT#: 4

SEX: Female

DAY ON TEST: 689

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Nerve Trigeminal
- \* Skin
- \* Aorta
- \* Eye
- \* Nose
- \* Thymus
- \* Bone
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Brain Trigeminal Ganglion
- \* Mammary Gland
- \* Salivary Glands

MISSING

- \* Pancreas
- \* Trachea
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Thyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Stomach, Forestomach
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Stomach, Glandular
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Urinary Bladder
- \* Intestine Large, Rectum
- \* Spleen

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Bone Marrow                                           Lymphoma Malignant
- \* Brain                                           Mineral                      Mild
- \* Clitoral Gland                      Duct                      Cyst
- \* Harderian Gland                                           Infiltration Cellular                      Lymphocyte, Mild
- \* Heart                                           Cardiomyopathy                      Minimal
- \* Kidney                                           Lymphoma Malignant
- \* Liver                                           Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 7-12,8-12, 9-12 ]
- \* Lung                                           Lymphoma Malignant
- Lymph Node                                           Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 3-20, 4-19 ]
- \* Lymph Node, Mandibular                      Lymphoma Malignant
- \* Lymph Node, Mesenteric                      Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 1-15 ]
- \* Ovary                                           Lymphoma Malignant
- \* Skeletal Muscle                                           Degeneration                      Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 966

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 689

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-966

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spinal Cord

Demyelination

Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 2-16 ]

---

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

---

Animal Note: TGLs 5 and 6 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 967

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Aorta                  | * Bone                     | * Bone Marrow             | * Brain Trigeminal Ganglion |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Mammary Gland          | * Nose                     | * Ovary                   | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thyroid Gland          | * Trachea                  |                           |                             |

MISSING

- |                    |                     |          |
|--------------------|---------------------|----------|
| * Nerve Trigeminal | * Parathyroid Gland | * Thymus |
|--------------------|---------------------|----------|

OBSERVATIONS

- |                          |  |                        |                     |
|--------------------------|--|------------------------|---------------------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia            | Mild                |
| * Adrenal Medulla        |  | Hyperplasia            | Mild                |
| * Brain                  |  | Lymphoma Malignant     |                     |
|                          |  | Mineral                | Minimal             |
| * Gallbladder            |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Harderian Gland        |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                 |  | Lymphoma Malignant     |                     |
| * Liver                  |  | Basophilic Focus       |                     |
|                          |  | Hepatocellular Adenoma |                     |
|                          | [ Basophilic Focus TGLs = 4-12 ]       |                        |                     |
|                          | [ Hepatocellular Adenoma TGLs = 5-12 ] |                        |                     |
| * Lung                   |  | Lymphoma Malignant     |                     |
| Lymph Node               |  | Lymphoma Malignant     |                     |
|                          | [ Lymphoma Malignant TGLs = 6-6 ]      |                        |                     |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant     |                     |
| * Pancreas               |  | Lymphoma Malignant     |                     |
| * Pituitary Gland        | Pars Distalis                          | Angiectasis            | Mild                |
|                          | Pars Distalis                          | Hyperplasia            | Focal, Mild         |
| * Salivary Glands        |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Spinal Cord            |  | Lymphoma Malignant     |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 967

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-967

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

[ Lymphoma Malignant TGLs = 2-12, 3-12 ]

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 1-16 ]

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 968

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Clitoral Gland            | * Esophagus                 | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lymph Node, Mesenteric    | * Nose                     | * Ovary                   |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland             | * Trachea                  | * Urinary Bladder         |

MISSING

- |                             |                          |                    |
|-----------------------------|--------------------------|--------------------|
| * Brain Trigeminal Ganglion | * Lymph Node, Mandibular | * Nerve Trigeminal |
|-----------------------------|--------------------------|--------------------|

OBSERVATIONS

- |                                   |                |                       |                     |
|-----------------------------------|----------------|-----------------------|---------------------|
| * Adrenal Cortex                  | Subcapsular    | Hyperplasia           | Mild                |
| * Brain                           |                | Mineral               | Minimal             |
| * Harderian Gland                 |                | Infiltration Cellular | Lymphocyte, Mild    |
| * Kidney                          | Interstitium   | Infiltration Cellular | Lymphocyte, Mild    |
| * Lung                            | Alveolar Epith | Hyperplasia           | Focal, Mild         |
| [ Hyperplasia TGLs = 2-10 ]       |                |                       |                     |
| * Mammary Gland                   | Duct           | Dilation              | Mild                |
| * Pancreas                        |                | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid Gland               |                |                       |                     |
| Note: One parathyroid examined.   |                |                       |                     |
| * Pituitary Gland                 | Pars Distalis  | Adenoma               |                     |
| [ Adenoma TGLs = 3-4 ]            |                |                       |                     |
| * Salivary Glands                 |                | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid Gland                   |                |                       |                     |
| Note: One thyroid gland examined. |                |                       |                     |
| * Uterus                          | Endometrium    | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]       |                |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 969

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       | * Nose                      |
| * Ovary                     | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Salivary Glands           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |                             |

OBSERVATIONS

- |   |               |                       |                  |
|---|---------------|-----------------------|------------------|
| * Adrenal Cortex<br>Note: One adrenal cortex examined.    | Subcapsular   | Hyperplasia           | Mild             |
| * Adren Medulla<br>Note: One adrenal medulla examined.    |               |                       |                  |
| * Brain   |               | Mineral               | Mild             |
| * Harderian Gland   |               | Infiltration Cellular | Lymphocyte, Mild |
| * Kidney  | Interstitium  | Infiltration Cellular | Lymphocyte, Mild |
| * Parathyroid GI<br>Note: One parathyroid gland examined. |               |                       |                  |
| * Pituitary Gland<br>[ Adenoma TGLs = 2-4 ]               | Pars Distalis | Adenoma               |                  |
| * Thyroid GI<br>Note: One thyroid gland examined.         |               |                       |                  |
| * Uterus<br>[ Hyperplasia TGLs = 1-16 ]                   | Endometrium   | Hyperplasia           | Cystic, Mild     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 971

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Liver                     | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                      |
| * Pancreas                  | * Pituitary Gland        | * Salivary Glands          | * Skeletal Muscle           |
| * Skin                      | * Spinal Cord            | * Stomach, Forestomach     | * Stomach, Glandular        |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                             |

MISSING

- |                          |                    |                     |
|--------------------------|--------------------|---------------------|
| * Lymph Node, Mandibular | * Nerve Trigeminal | * Parathyroid Gland |
|--------------------------|--------------------|---------------------|

INSUFFICIENT TISSUE

- \* Aorta

OBSERVATIONS

- |                             |                             |                              |                     |
|-----------------------------|-----------------------------|------------------------------|---------------------|
| * Adrenal Cortex            | Subcapsular                 | Hyperplasia                  | Mild                |
| * Brain                     |                             | Mineral                      | Minimal             |
| * Harderian Gland           |                             | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                    |                             | Infarct                      | Mild                |
|                             | Interstitium                | Infiltration Cellular        | Lymphocyte, Minimal |
| * Lung                      |                             | Alveolar/Bronchiolar Adenoma |                     |
|                             |                             | Hemorrhage                   | Mild                |
| * Ovary                     |                             | Cystadenoma                  |                     |
|                             | [ Cystadenoma TGLs = 1-16 ] |                              |                     |
| * Peripheral Nerve, Sciatic | Axon                        | Degeneration                 | Minimal             |
| * Spleen                    |                             | Extramedullary Hematopoiesis | Mild                |
| * Urinary Bladder           |                             | Infiltration Cellular        | Lymphocyte, Minimal |
| * Uterus                    | Endometrium                 | Hyperplasia                  | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 972

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                             |
|----------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla    | * Aorta                     | * Bone                   | * Brain Trigeminal Ganglion |
| * Clitoral Gland     | * Esophagus                 | * Eye                    | * Harderian Gland           |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic | * Mammary Gland             | * Nerve Trigeminal       | * Nose                      |
| * Parathyroid Gland  | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands           |
| * Skeletal Muscle    | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular        |
| * Thyroid Gland      | * Trachea                   |                          |                             |

MISSING

- |               |                           |         |
|---------------|---------------------------|---------|
| * Gallbladder | * Intestine Large, Rectum | * Ovary |
|---------------|---------------------------|---------|

AUTO PRECLUDES DIAG.

- |                          |                          |
|--------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon |
|--------------------------|--------------------------|

OBSERVATIONS

- |                          |   |                     |             |
|--------------------------|---|---------------------|-------------|
| * Adrenal Cortex         | Subcapsular                                     | Hyperplasia         | Moderate    |
| * Bone Marrow            | Myeloid Cell                                    | Hypercellularity    | Moderate    |
| * Brain                  |   | Mineral             | Minimal     |
| * Kidney                 |   | Histiocytic Sarcoma |             |
| * Liver                  |   | Histiocytic Sarcoma |             |
|                          | [ Histiocytic Sarcoma TGLs = 9-12, 10-12 ]      |                     |             |
| * Lung                   |   | Histiocytic Sarcoma |             |
| Lymph Node               |   | Histiocytic Sarcoma |             |
|                          | [ Histiocytic Sarcoma TGLs = 2-20, 3-21, 4-22 ] |                     |             |
| * Lymph Node, Mandibular |   | Histiocytic Sarcoma |             |
|                          | [ Histiocytic Sarcoma TGLs = 1-9 ]              |                     |             |
| * Lymph Node, Mesenteric |   | Histiocytic Sarcoma |             |
|                          | [ Histiocytic Sarcoma TGLs = 5-14, 5-15 ]       |                     |             |
| Mesentery                | Fat   | Necrosis            | Moderate    |
|                          | [ Necrosis TGLs = 11-16 ]                       |                     |             |
| * Pancreas               |   | Histiocytic Sarcoma |             |
| * Skin                   | Epidermis                                       | Hyperplasia         | Focal, Mild |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 972

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-972

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Moderate

[ Ulcer TGLs = 12-19 ]

Histiocytic Sarcoma

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLs = 7-12, 8-12 ]

[ Histiocytic Sarcoma TGLs = 6-6 ]

Infiltration Cellular

Lymphocyte, Minimal

Hyperplasia

Cystic, Mild

\* Spleen

\* Thymus

\* Urinary Bladder

\* Uterus

Endometrium

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

Animal Note: TGL 13 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 973

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Moderate
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Hepatocellular Adenoma TGLs = 6-12 ] Hepatocellular Adenoma
- \* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
- \* Pancreas Infiltration Cellular Lymphocyte, Mild
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Skeletal Muscle Hemangiosarcoma Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 7-19, 8-19 ] Hemorrhage Moderate
- \* Spleen Hemangiosarcoma Hemorrhage Moderate
- [ Hemangiosarcoma TGLs = 1-12, 5-12 ]
- [ Hemorrhage TGLs = 2-12 ]
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild
- \* Uterus Endometrium Hyperplasia Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 973

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 706

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-973

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 4-16 ]

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Hemorrhage

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 974

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Spinal Cord
- \* Thymus

MISSING

- \* Gallbladder
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Minimal
- \* Harderian Gland                      Infiltration Cellular              Lymphocyte, Minimal
- Lymph Node                              Iliac                                  Hyperplasia                      Lymphoid, Minimal
- Iliac                                  Pigment                              Minimal
- [ Pigment    TGLs = 4-20 ]
- Mesentery                                  Fat                                      Necrosis                              Moderate
- [ Necrosis    TGLs = 3-19 ]
- \* Pituitary Gland                      Pars Distalis                      Angiectasis                      Moderate
- [ Angiectasis    TGLs = 5-4 ]
- \* Salivary Glands                      Infiltration Cellular              Lymphocyte, Minimal
- \* Skin    Hair Follicle                      Atrophy                              Moderate
- [ Atrophy    TGLs = 1-9 ]
- \* Urinary Bladder                      Infiltration Cellular              Lymphocyte, Minimal
- \* Uterus    Endometrium                      Hyperplasia                      Cystic, Mild
- [ Hyperplasia    TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 976

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Ovary                  | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland             | * Trachea                   |                          |                            |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                   |              |                       |                     |
|-------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                |
| * Brain           |              | Mineral               | Minimal             |
| * Harderian Gland |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney          | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen          |              | Hyperplasia           | Lymphoid, Mild      |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus          | Endometrium  | Hyperplasia           | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 977

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Adren Medulla  
    Note: One adrenal medulla examined.
- \* Brain                                      Mineral                                      Mild
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Infarct                                      Mild
- \* Liver                                      Interstitium                              Infiltration Cellular                      Lymphocyte, Mild
- Hepatocellular Adenoma                      Infiltration Cellular                      Lymphocyte, Minimal
- [ Hepatocellular Adenoma    TGLs = 2-19 ]
- \* Pancreas                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Parathyroid GI  
    Note: One parathyroid gland examined.
- \* Pituitary Gland                      Pars Distalis                      Angiectasis                      Mild
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                                      Dilation                                      Moderate
- Endometrium                              Hyperplasia                              Cystic, Moderate
- [ Dilation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 977

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-977

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 978

TRT#: 4

SEX: Female

DAY ON TEST: 715

DOSE: 2.5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spinal Cord
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Thymus

MISSING

- \* Clitoral Gland
- \* Parathyroid Gland
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Moderate
- \* Gallbladder Infiltration Cellular Lymphocyte, Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Heart Myocardium Inflammation Chronic Active, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Extramedullary Hematopoiesis Minimal
- \* Mammary Gland Adenoma
- Duct Dilation Mild
- [ Adenoma TGLs = 4-19 ]
- \* Ovary Follicle Cyst
- [ Cyst TGLs = 5-16 ]
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Skin Subcut Tiss Fibrosarcoma
- [ Fibrosarcoma TGLs = 7-19 ]
- \* Spleen Extramedullary Hematopoiesis Moderate
- [ Extramedullary Hematopoiesis TGLs = 1-12 ]
- \* Uterus Endometrium Hyperplasia Cystic, Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

Animal Note: TGLs 2 & 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 980

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Mammary Gland          | * Nose                      |
| * Ovary                     | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skin                      | * Spinal Cord            | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                   |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                     |                                    |                       |                        |
|-------------------------------------|------------------------------------|-----------------------|------------------------|
| * Adrenal Cortex                    | Subcapsular                        | Hyperplasia           | Mild                   |
| * Adren Medulla                     |                                    |                       |                        |
| Note: One adrenal medulla examined. |                                    |                       |                        |
| * Brain                             |                                    | Mineral               | Minimal                |
| * Harderian Gland                   |                                    | Infiltration Cellular | Lymphocyte, Minimal    |
| * Kidney                            |                                    | Lymphoma Malignant    |                        |
| * Liver                             |                                    | Basophilic Focus      |                        |
|                                     |                                    | Infiltration Cellular | Lymphocyte, Mild       |
|                                     |                                    | Lymphoma Malignant    |                        |
|                                     | [ Basophilic Focus TGLs = 6-12 ]   |                       |                        |
| * Lung                              |                                    | Infiltration Cellular | Mononuclear CI, Mild   |
|                                     |                                    | Inflammation          | Granulomatous, Minimal |
|                                     |                                    | Lymphoma Malignant    |                        |
|                                     | [ Lymphoma Malignant TGLs = 4-19 ] |                       |                        |
| * Lymph Node, Mesenteric            |                                    | Lymphoma Malignant    |                        |
|                                     | [ Lymphoma Malignant TGLs = 3-20 ] |                       |                        |
| * Salivary Glands                   |                                    | Infiltration Cellular | Lymphocyte, Minimal    |
| * Skeletal Muscle                   |                                    | Infiltration Cellular | Lymphocyte, Minimal    |
| * Spleen                            |                                    | Lymphoma Malignant    |                        |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 980

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-980

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Lymphoma Malignant TGLs = 2-12 ]

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Cystic, Mild

[ Hyperplasia TGLs = 1-16 ]

---

Animal Note: TGL5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 981

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                   | * Ovary                    | * Pancreas                |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |  |                        |                         |
|-------------------|--|------------------------|-------------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                    |
| * Brain           |  | Mineral                | Minimal                 |
| * Harderian Gland |  | Infiltration Cellular  | Lymphocyte, Minimal     |
| * Heart           | Artery                                 | Inflammation           | Chronic Active, Minimal |
| * Kidney          |  | Infarct                | Mild                    |
|                   | Interstitium                           | Infiltration Cellular  | Lymphocyte, Minimal     |
| * Liver           |  | Hepatocellular Adenoma |                         |
|                   | [ Hepatocellular Adenoma TGLs = 2-12 ] |                        |                         |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal     |
| * Urinary Bladder |  | Infiltration Cellular  | Lymphocyte, Mild        |
| * Uterus          | Endometrium                            | Hyperplasia            | Cystic, Moderate        |
|                   | [ Hyperplasia TGLs = 1-16 ]            |                        |                         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 982

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Mammary Gland             | * Nose                      | * Ovary                  | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   |                          |                             |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                           |              |                       |                     |
|---------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex          | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                   |              | Mineral               | Minimal             |
| * Harderian Gland         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                  | Interstitial | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Ovary                   |              |                       |                     |
| Note: One ovary examined. |              |                       |                     |
| * Pancreas                |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                  | Endometrium  | Hyperplasia           | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 983

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Clitoral Gland
- Note: One clitoral gland examined.
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Infarct                                      Mild
- Mesentery                                      Intestium                                      Infiltration Cellular                      Lymphocyte, Minimal
- [ Necrosis    TGLs = 2-19, 3-20 ]                      Fat                                      Necrosis                                      Moderate
- \* Ovary                                      Cystadenoma
- [ Cystadenoma    TGLs = 1-16 ]
- \* Pancreas                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Mild
- \* Spleen                                      Extramedullary Hematopoiesis                      Mild
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Mild
- \* Uterus                                      Hemangiosarcoma
- Endometrium                                      Hyperplasia                                      Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 984

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thymus

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Islets, Pancreatic Infiltration Cellular Lymphocyte, Mild
- \* Kidney Infarct Mild
- \* Liver Interstitium Infiltration Cellular Lymphocyte, Minimal
- [ Hepatocellular Adenoma TGLs = 1-19 ] Hepatocellular Adenoma
- Mesentery Fat Necrosis Moderate
- [ Necrosis TGLs = 4-16, 5-20 ]
- \* Ovary Angiectasis Marked
- [ Angiectasis TGLs = 2-16 ]
- [ Cyst TGLs = 2-16, 3-16, 4-16 ] Cyst
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Spleen Extramedullary Hematopoiesis Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 984

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-984

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 8-12 ]

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Cystic, Mild

[ Hyperplasia TGLs = 6-16 ]

---

PRIMARY CAUSE OF DEATH

- UNCERTAIN

---

Animal Note: TGLs 7, 9, & 10 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 985

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                      | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord               | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            | * Trachea                 |

MISSING

- \* Esophagus

OBSERVATIONS

- |                               |                         |                                   |                             |
|-------------------------------|-------------------------|-----------------------------------|-----------------------------|
| * Adrenal Cortex              |                         | Hyperplasia                       | Focal, Marked               |
| * Brain                       |                         | Mineral                           | Mild                        |
| * Harderian Gland             |                         | Infiltration Cellular             | Lymphocyte, Minimal         |
| * Kidney                      | Interstitial<br>Papilla | Infiltration Cellular<br>Necrosis | Lymphocyte, Mild<br>Minimal |
| * Liver                       |                         | Infiltration Cellular             | Lymphocyte, Minimal         |
| * Ovary                       |                         |                                   |                             |
| Note: One ovary examined.     |                         |                                   |                             |
| * Pituitary Gland             |                         |                                   |                             |
| Note: Pars distalis examined. |                         |                                   |                             |
| * Salivary Glands             |                         | Infiltration Cellular             | Lymphocyte, Mild            |
| * Urinary Bladder             |                         | Infiltration Cellular             | Lymphocyte, Mild            |
| * Uterus                      | Endometrium             | Hyperplasia                       | Cystic, Moderate            |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 986

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Lymphoma Malignant
- \* Liver Infiltration Cellular Lymphocyte, Mild
- \* Lung Infiltration Cellular Lymphocyte, Mild
- Lymph Node Bronchial Hyperplasia Lymphoid, Marked
  - [ Hyperplasia TGLs = 7-21 ]
- \* Lymph Node, Mandibular Hyperplasia Lymphoid, Moderate
  - [ Hyperplasia TGLs = 1-9.1RC ]
- \* Lymph Node, Mesenteric Lymphoma Malignant
  - Mesentery Fat Necrosis Minimal
  - [ Necrosis TGLs = 3-20 ]
- \* Ovary Adenocarcinoma Metastatic (Uterus)
  - Lymphoma Malignant
  - [ Adenocarcinoma TGLs = 4-22 ]
- \* Pituitary Gland Pars Distalis Hyperplasia Focal, Minimal
- \* Spleen Lymphoma Malignant
  - [ Lymphoma Malignant TGLs = 6-12 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 986

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-986

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

\* Uterus

Endometrium

[ Hyperplasia TGLs = 2-16, 5-16 ]

Infiltration Cellular

Adenocarcinoma

Hyperplasia

Lymphocyte, Mild

Cystic, Marked

---

Animal Note: TGL 8 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 987

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pancreas
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skeletal Muscle
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Minimal
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Nephropathy                              Chronicprogr, Minimal
- \* Liver                                      Infiltration Cellular                      Lymphocyte, Minimal
- Mesentery                              Fat                                      Necrosis                              Moderate
- [ Necrosis    TGLs = 2-6 ]
- \* Peripheral Nerve, Sciatic                      Axon                                      Degeneration                      Minimal
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Mild
- \* Skin    Subcut Tiss                              Malignant Fibrous Histiocytoma
- Ulcer    Mild
- [ Ulcer    TGLs = 3-19 ]
- \* Spleen    Hyperplasia                              Lymphoid, Minimal
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus    Dilatation                                      Moderate
- Endometrium                              Hyperplasia                              Cystic, Mild
- [ Dilatation    TGLs = 1-16 ]
- [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 988

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland             | * Trachea                   |                          |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                   |   |                       |                       |
|-------------------|---|-----------------------|-----------------------|
| * Adrenal Cortex  | Subcapsular                                 | Hyperplasia           | Mild                  |
| * Brain           |   | Mineral               | Minimal               |
| * Harderian Gland |   | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney          | Interstitium                                | Infiltration Cellular | Lymphocyte, Minimal   |
|                   |   | Nephropathy           | Chronicprogr, Minimal |
| * Liver           |   | Leukemia Erythrocytic |                       |
|                   | [ Leukemia Erythrocytic TGLs = 4-12, 5-12 ] |                       |                       |
|                   | Lymph Node                                  |                       |                       |
|                   | [ Hyperplasia TGLs = 6-19 ]                 | Hyperplasia           | Lymphoid, Minimal     |
| * Ovary           |   | Cyst                  |                       |
|                   | Note: One ovary examined.                   |                       |                       |
|                   | [ Cyst TGLs = 2-16 ]                        |                       |                       |
| * Parathyroid Gl  |   |                       |                       |
|                   | Note: One parathyroid gland examined.       |                       |                       |
| * Salivary Glands |   | Infiltration Cellular | Lymphocyte, Mild      |
| * Spleen          |   | Leukemia Erythrocytic |                       |
|                   | [ Leukemia Erythrocytic TGLs = 3-12 ]       |                       |                       |
| * Urinary Bladder |   | Infiltration Cellular | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 988

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-988

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 989

TRT#: 4

SEX: Female

DAY ON TEST: 262

DOSE: 2.5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Kidney                    | * Liver                  | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nerve Trigeminal          |
| * Nose                      | * Ovary                     | * Pancreas               | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands           | * Skeletal Muscle        | * Skin                      |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Trachea                   | * Urinary Bladder           |                          |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |  |             |              |                          |
|--|-------------|--------------|--------------------------|
| * Adrenal Cortex   | Subcapsular | Hyperplasia  | Mild                     |
| * Adren Medulla  |             |              |                          |
| Note: One adrenal medulla present.                               |             |              |                          |
| * Brain  |             | Mineral      | Minimal                  |
| * Heart  | Artery      | Inflammation | Chronic Active, Mild     |
| * Spinal Cord  |             | Necrosis     | Moderate                 |
| * Thyroid Gland  |             | Inflammation | Chronic Active, Moderate |
| Note: The inflammation in the thyroid surrounded a large artery. |             |              |                          |
| * Uterus   | Endometrium | Hyperplasia  | Cystic, Mild             |
| [ Hyperplasia TGLs = 1-16.1RC ]                                  |             |              |                          |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 990

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain Trigeminal Ganglion
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Nose
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea

OBSERVATIONS

- \* Brain Mineral Mild
- \* Gallbladder Infiltration Cellular Lymphocyte, Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Infiltration Cellular Lymphocyte, Mild
- \* Lung Alveolar/Bronchiolar Carcinoma Hemorrhage Mild
- \* Ovary [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ] Follicle Cyst
- \* Ovary [ Cyst TGLs = 2-16 ] Infiltration Cellular Lymphocyte, Mild
- \* Pancreas
- \* Parathyroid Gland Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Spleen Hyperplasia Lymphoid, Mild
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal
- \* Uterus Endometrium Hyperplasia Cystic, Mild
- [ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 991

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Brain

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Harderian Gland
- \* Kidney                                  Interstitium                      Infiltration Cellular              Lymphocyte, Minimal
- \* Lung                                      Hemorrhage                        Mild
- \* Ovary
- Note: One ovary examined.
- \* Salivary Glands                        Infiltration Cellular              Lymphocyte, Minimal
- \* Spleen                                    Extramedullary Hematopoiesis    Mild
- \* Urinary Bladder                        Infiltration Cellular              Lymphocyte, Minimal
- \* Uterus                                    Endometrium                        Hyperplasia                        Cystic, Mild

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 992

TRT#: 4

SEX: Female

DAY ON TEST: 493

DOSE: 2.5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Uterus
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Brain Trigeminal Ganglion
- \* Clitoral Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Heart
- \* Kidney                                  Interstitium                      Infiltration Cellular              Lymphocyte, Mild
- \* Liver                                      Inflammation                      Focal, Mild
- \* Mammary Gland                      Infiltration Cellular              Lymphocyte, Mild
- \* Skin                                      Histiocytic Sarcoma
- [ Histiocytic Sarcoma    TGLs = 1-19 ]
- \* Spleen                                      Histiocytic Sarcoma
- Hyperplasia                      Lymphoid, Moderate
- [ Hyperplasia    TGLs = 2-12 ]
- \* Urinary Bladder                      Infiltration Cellular              Lymphocyte, Mild

PRIMARY CAUSE OF DEATH              - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 994

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-994

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone                    | * Brain Trigeminal Ganglion |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nerve Trigeminal          |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Salivary Glands          | * Skeletal Muscle         | * Spinal Cord               |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| * Trachea                |                            |                           |                             |

**OBSERVATIONS**

- |                                       |               |                              |                     |
|---------------------------------------|---------------|------------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia                  | Mild                |
| * Bone Marrow                         |               | Hypercellularity             | Mild                |
| * Brain                               |               | Mineral                      | Minimal             |
| * Harderian Gland                     |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Heart                               | Endothelium   | Hyperplasia                  | Mild                |
| * Kidney                              | Interstitial  | Infiltration Cellular        | Lymphocyte, Mild    |
| * Liver                               |               | Hepatocellular Carcinoma     |                     |
| [ Hepatocellular Carcinoma            | TGLs = 3-12 ] |                              |                     |
| * Ovary                               | Follicle      | Cyst                         |                     |
| [ Cyst                                | TGLs = 2-16 ] |                              |                     |
| * Parathyroid Gland                   |               |                              |                     |
| Note: One parathyroid gland examined. |               |                              |                     |
| * Skin                                | Subcut Tiss   | Hemangioma                   |                     |
| [ Hemangioma                          | TGLs = 1-19 ] |                              |                     |
| * Spleen                              |               | Extramedullary Hematopoiesis | Moderate            |
| [ Extramedullary Hematopoiesis        | TGLs = 4-12 ] |                              |                     |
| * Urinary Bladder                     |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Uterus                              | Endometrium   | Hyperplasia                  | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 995

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mesenteric
- \* Nerve Trigeminal
- \* Ovary

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Infarct Minimal
- \* Liver Interstitium Infiltration Cellular Lymphocyte, Minimal
- [ Hepatocellular Adenoma TGLs = 4-12, 5-12, 6-21 ] Hepatocellular Adenoma Multiple
- Lymph Node Mediastinal Hyperplasia Lymphoid, Minimal
- [ Hyperplasia TGLs = 7-20 ]
- Mesentery Fat Necrosis Moderate
- [ Necrosis TGLs = 2-19 ]
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Spleen Hyperplasia Lymphoid, Mild
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal
- \* Uterus Dilatation Moderate
- [ Dilatation TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 995

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-995

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 3 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 996

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Kidney                    | * Liver                     |
| * Lung                      | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                    | * Ovary                     | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle         | * Skin                      | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach    | * Thymus                    | * Thyroid Gland             |
| * Trachea                   |                           |                             |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                     |             |                       |                     |
|-------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular | Hyperplasia           | Mild                |
| * Brain                             |             | Mineral               | Minimal             |
| * Harderian Gl                      |             |                       |                     |
| Note: One Harderian Gland examined. |             |                       |                     |
| * Pancreas                          |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands                   |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Stomach, Glandular                |             | Cyst                  |                     |
| * Thyroid Gl                        |             |                       |                     |
| Note: One thyroid gland examined.   |             |                       |                     |
| * Urinary Bladder                   |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                            |             | Dilation              | Marked              |

[ Dilation TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 998

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver                     | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                   |                             |                          |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |              |                       |                       |
|---------------------------------------|--------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                  |
| * Brain                               |              | Mineral               | Mild                  |
| * Harderian Gland                     |              | Adenoma               |                       |
| * Islets, Pancreatic                  |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Mild      |
|                                       |              | Nephropathy           | Chronicprogr, Minimal |
| * Ovary                               |              |                       |                       |
| Note: One ovary gland examined.       |              |                       |                       |
| * Parathyroid Gland                   |              |                       |                       |
| Note: One parathyroid gland examined. |              |                       |                       |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal   |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Marked        |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                       |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 999

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-999

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                      | * Ovary                  |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             | * Trachea                |

**MISSING**

- \* Nerve Trigeminal

**OBSERVATIONS**

- |                                       |               |                        |                       |
|---------------------------------------|---------------|------------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia            | Mild                  |
| * Brain                               |               | Mineral                | Minimal               |
| * Harderian Gland                     |               |                        |                       |
| Note: One Harderian Gland examined.   |               |                        |                       |
| * Kidney                              | Interstitium  | Infiltration Cellular  | Lymphocyte, Mild      |
|                                       |               | Nephropathy            | Chronicprogr, Minimal |
| * Liver                               |               | Basophilic Focus       |                       |
|                                       |               | Hepatocellular Adenoma |                       |
| [ Hepatocellular Adenoma              | TGLs = 4-12 ] |                        |                       |
| Mesentery                             | Fat           | Necrosis               | Moderate              |
| [ Necrosis                            | TGLs = 2-19 ] |                        |                       |
| * Ovary                               |               |                        |                       |
| Note: One ovary examined.             |               |                        |                       |
| * Pancreas                            |               | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Parathyroid Gland                   |               |                        |                       |
| Note: One parathyroid gland examined. |               |                        |                       |
| * Salivary Glands                     |               | Infiltration Cellular  | Lymphocyte, Mild      |
| * Urinary Bladder                     |               | Infiltration Cellular  | Lymphocyte, Mild      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 999

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-999

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Dilation

Hyperplasia

Moderate

Cystic, Mild

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1000

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- |                             |              |                       |                     |
|-----------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                     |              | Mineral               | Mild                |
| * Harderian Gland           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart                     | Myocardium   | Hemorrhage            | Minimal             |
| * Kidney                    |              | Infarct               | Mild                |
|                             | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| Mesentery                   | Fat          | Necrosis              | Mild                |
| [ Necrosis TGLs = 2-19 ]    |              |                       |                     |
| * Urinary Bladder           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    | Endometrium  | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ] |              |                       |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1001

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Bone
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
  - [ Basophilic Focus TGLs = 4-12, 6-19 ]
  - [ Hepatocellular Adenoma TGLs = 5-12, 3-19 ]
  - Lymph Node
  - [ Ectasia TGLs = 7-20 ]
- \* Ovary
  - Note: One ovary examined.
- \* Salivary Glands
- \* Spleen
  - [ Hemangiosarcoma TGLs = 2-12 ]
- \* Stomach, Forestomach
- Osteosarcoma
- Mineral
- Infiltration Cellular
- Infiltration Cellular
- Basophilic Focus
- Hepatocellular Adenoma
- Ectasia
- Infiltration Cellular
- Hemangiosarcoma
- Squamous Cell Papilloma
- Minimal
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Multiple
- Marked
- Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1001

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1001

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

\* Uterus

[ Hyperplasia TGLs = 1-16 ]

Endometrium

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Cystic, Mild

---





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1002

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1002

ORGAN AND ACCOUNTABLE SITE STATUS

[ Cyst TGLs = 1-16 ]

\* Parathyroid Gland

Note: One parathyroid gland examined.

\* Spleen

Extramedullary Hematopoiesis

Marked

[ Extramedullary Hematopoiesis TGLs = 4-12 ]

\* Thyroid Gland

Follicular Cell

Adenoma

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

\* Uterus

Angiectasis

Marked

Endometrium

Hyperplasia

Cystic, Moderate

[ Angiectasis TGLs = 3-16 ]

[ Hyperplasia TGLs = 2-16 ]

Animal Note: TGL 5 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1003

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal          |
| * Nose                      | * Ovary                   | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle         | * Skin                      | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland             | * Trachea                 |                             |                             |

OBSERVATIONS

- |                             |              |                       |                      |
|-----------------------------|--------------|-----------------------|----------------------|
| * Adrenal Cortex            | Subcapsular  | Hyperplasia           | Mild                 |
| * Brain                     |              | Mineral               | Minimal              |
| * Kidney                    | Interstitium | Infiltration Cellular | Lymphocyte, Mild     |
| Lymph Node                  | Iliac        | Hyperplasia           | Lymphoid, Mild       |
| [ Hyperplasia TGLs = 2-19 ] |              |                       |                      |
| * Ovary                     |              |                       |                      |
| Note: One ovary examined.   |              |                       |                      |
| * Pancreas                  |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Salivary Glands           |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Urinary Bladder           |              | Infiltration Cellular | Lymphocyte, Moderate |
| * Uterus                    |              | Dilation              | Moderate             |
|                             |              | Leiomyosarcoma        |                      |
| [ Dilation TGLs = 1-16 ]    |              |                       |                      |

Animal Note: TGL 3 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1004

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- [ Adenoma TGLs = 3-4 ]
- \* Salivary Glands
- \* Spleen
- [ Hyperplasia TGLs = 2-12 ]
- \* Urinary Bladder
- \* Uterus
- [ Dilation TGLs = 1-16 ]
- [ Hyperplasia TGLs = 1-16 ]
- Subcapsular
- Artery, Meninges
- Pars Distalis
- Endometrium
- Hyperplasia
- Inflammation
- Mineral
- Infiltration Cellular
- Hyperplasia
- Adenoma
- Infiltration Cellular
- Hyperplasia
- Infiltration Cellular
- Dilation
- Hyperplasia
- Mild
- Chronic Active, Mild
- Mild
- Lymphocyte, Minimal
- Lymphoid, Mild
- Lymphocyte, Minimal
- Lymphoid, Marked
- Lymphocyte, Mild
- Mild
- Cystic, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1005

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Gallbladder

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"> <li>* Adrenal Cortex</li> <li>* Bone Marrow</li> <li>* Brain</li> <li>* Harderian Gland</li> <li>* Kidney</li> <li>* Liver</li> <li>* Lymph Node, Mesenteric</li> <li>* Ovary</li> <li style="padding-left: 20px;">[ Cyst TGLs = 2-16 ]</li> <li>* Parathyroid Gland</li> <li style="padding-left: 20px;">Note: One parathyroid gland examined.</li> <li>* Salivary Glands</li> <li>* Urinary Bladder</li> <li>* Uterus</li> <li style="padding-left: 20px;">[ Hyperplasia TGLs = 1-16 ]</li> </ul> | <ul style="list-style-type: none"> <li>Subcapsular</li> <li>Interstitial</li> <li>Endometrium</li> </ul> | <ul style="list-style-type: none"> <li>Hyperplasia</li> <li>Hypercellularity</li> <li>Mineral</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Hepatocellular Adenoma</li> <li>Infiltration Cellular</li> <li>Hyperplasia</li> <li>Cyst</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Hyperplasia</li> </ul> | <ul style="list-style-type: none"> <li>Mild</li> <li>Mild</li> <li>Mild</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Mild</li> <li>Lymphocyte, Mild</li> <li>Lymphoid, Mild</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Cystic, Moderate</li> </ul> |
|--|--|---|---|

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1005

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1005

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1006

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Peripheral Nerve, Sciatic
- \* Stomach, Glandular
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Skin
- \* Thyroid Gland
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Nose
- \* Spinal Cord
- \* Trachea
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Parathyroid Gland
- \* Stomach, Forestomach

MISSING

- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Adrenal Medulla Hyperplasia Mild
- \* Bone Marrow Hypercellularity Moderate
- \* Brain Mineral Mild
- \* Harderian Gland Adenoma Infiltration Cellular Lymphocyte, Mild
- \* Kidney Lymphoma Malignant
- \* Liver Hepatocellular Adenoma TGLs = 7-21 ] Hepatocellular Adenoma TGLs = 7-21 ] Lymphoma Malignant
- \* Lung Hemangiosarcoma TGLs = 5-19, 6-19 ] Hemangiosarcoma TGLs = 5-19, 6-19 ] Lymphoma Malignant
- \* Lymph Node Iliac Lymphoma Malignant Hemangiosarcoma Lymphoma Malignant
- \* Lymph Node, Mandibular Lymphoma Malignant
- \* Lymph Node, Mesenteric Lymphoma Malignant TGLs = 4-15 ] Lymphoma Malignant
- \* Mammary Gland Hyperplasia Diffuse, Moderate
- \* Ovary Follicle Cyst
- \* Ovary Paraovarian Cyst
- [ Cyst TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1006

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1006

ORGAN AND ACCOUNTABLE SITE STATUS

[ Cyst TGLs = 2-16 ]

\* Pancreas

Lymphoma Malignant

\* Parathyroid Gland

Note: One parathyroid gland examined.

\* Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLs = 9-4 ]

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Skeletal Muscle

Hemangiosarcoma

\* Spleen

Extramedullary Hematopoiesis

Moderate

Lymphoma Malignant

[ Extramedullary Hematopoiesis TGLs = 3-12 ]

[ Lymphoma Malignant TGLs = 3-12 ]

\* Thymus

Lymphoma Malignant

Tissue NOS

Hemangiosarcoma

[ Hemangiosarcoma TGLs = 5-19, 6-19 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Moderate

\* Uterus

Dilation

Moderate

Endometrium

Hyperplasia

Cystic, Mild

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1007

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Peripheral Nerve, Sciatic

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Infarct Mild
- \* Liver Lymphoma Malignant
- Hepatocellular Adenoma Mild
- Lymphoma Malignant Mild
- [ Hepatocellular Adenoma TGLs = 5-19 ]
- [ Lymphoma Malignant TGLs = 2-12, 3-12, 4-12 ]
- \* Parathyroid Gland Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Spleen Extramedullary Hematopoiesis Mild
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Mild
- \* Uterus Endometrium Hyperplasia Cystic, Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1007

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1007

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1008

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Salivary Glands        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder           |                             |                          |                            |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                                       |             |                       |                     |
|---------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Mild                |
| * Adren Medulla                       |             |                       |                     |
| Note: One adrenal medulla examined.   |             |                       |                     |
| * Brain                               |             | Mineral               | Mild                |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              |             | Infarct               | Minimal             |
| Mesentery                             | Fat         | Necrosis              | Moderate            |
| [ Necrosis TGLs = 4-19 ]              |             |                       |                     |
| * Ovary                               |             | Cyst                  |                     |
| [ Cyst TGLs = 5-20RT ]                |             |                       |                     |
| * Parathyroid GI                      |             |                       |                     |
| Note: One parathyroid gland examined. |             |                       |                     |
| * Uterus                              | Endometrium | Hyperplasia           | Cystic, Marked      |
| [ Hyperplasia TGLs = 1-16 ]           |             |                       |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1008

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1008

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 2 & 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1009

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Salivary Glands        |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          |
| * Trachea                   |                             |                             |                          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |             |                       |                      |
|---------------------------------------|-------------|-----------------------|----------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Moderate             |
| * Brain                               |             | Mineral               | Minimal              |
| * Kidney                              |             | Infarct               | Moderate             |
|                                       |             | Nephropathy           | Chronicprogr, Mild   |
| * Ovary                               |             | Cyst                  |                      |
| [ Cyst TGLs = 2-16 ]                  |             |                       |                      |
| * Parathyroid Gland                   |             | Infiltration Cellular | Lymphocyte, Moderate |
| Note: One parathyroid gland examined. |             |                       |                      |
| * Urinary Bladder                     |             | Infiltration Cellular | Lymphocyte, Minimal  |
| * Uterus                              | Endometrium | Hyperplasia           | Cystic, Moderate     |
| [ Hyperplasia TGLs = 3-16 ]           |             |                       |                      |

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1010

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1010

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve, Sciatic	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

**MISSING**

* Clitoral Gland	* Nerve Trigeminal	* Parathyroid Gland
------------------	--------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
Note: One Harderian Gland examined.			
* Kidney		Infarct	Minimal
	Interstitium	Infiltration Cellular	Lymphocyte, Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLs = 3-19 ]			
* Ovary		Cyst	
[ Cyst TGLs = 7-20RT, 8-16, 9-16 ]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
[ Angiectasis TGLs = 11-4 ]			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal
* Spleen		Extramedullary Hematopoiesis	Marked
[ Extramedullary Hematopoiesis TGLs = 5-12 ]			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1010

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 723

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1010

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Dilation

Moderate

[ Dilation TGLs = 1-16 ]

---

PRIMARY CAUSE OF DEATH - UNCERTAIN

---

Animal Note: TGLs 4 & 6 = NCL; TGL 10 = NST

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1011

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       | * Nose                      |
| * Ovary                     | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   |                          |                             |

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Minimal             |
| * Clitoral GI                         |              |                       |                     |
| Note: One clitoral gland examined.    |              |                       |                     |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| Mesentery                             | Fat          | Mineral               | Mild                |
|                                       | Fat          | Necrosis              | Mild                |
| [ Mineral TGLs = 2-6 ]                |              |                       |                     |
| [ Necrosis TGLs = 2-6 ]               |              |                       |                     |
| * Parathyroid GI                      |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              |              | Dilation              | Moderate            |
|                                       | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Dilation TGLs = 1-16 ]              |              |                       |                     |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

**ANIMAL ID:** 1012

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 656

**DOSE:** 2.5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1012

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone Marrow	* Brain Trigeminal Ganglion
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nerve Trigeminal
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve, Sciatic	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone		Osteosarcoma	
[ Osteosarcoma TGLs = 4-3 ]			
* Brain		Mineral	Mild
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Minimal
* Liver		Infiltration Cellular	Lymphocyte, Mild
* Lung		Osteosarcoma	Metastatic (Bone)
[ Osteosarcoma TGLs = 3-10 ]			
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[ Dilation TGLs = 1-16 ]			
[ Hyperplasia TGLs = 1-16 ]			

**PRIMARY CAUSE OF DEATH** - Bone Osteosarcoma

Animal Note: TGL 2 = NCL



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1013

TRT#: 4

SEX: Female

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Rectum
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Eye
- \* Islets, Pancreatic
- \* Nose
- \* Skin
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Liver
- \* Pancreas
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Gallbladder
- \* Nerve Trigeminal
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild  
     Note: One adrenal cortex examined.
- \* Adren Medulla
- Note: One adrenal medulla examined.
- \* Bone Marrow    Hypercellularity                      Marked
- \* Brain    Mineral    Minimal
- \* Harderian Gland    Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Adenocarcinoma                      Metastatic (Uterus)
- Infarct    Mild
- [ Infarct    TGLs = 5-13 ]
- \* Lung    Alveolar/Bronchiolar Adenoma
- Hemorrhage    Moderate
- Lymph Node                                      Pancreatic                                      Adenocarcinoma                      Metastatic (Uterus)
- Bronchial                                      Adenocarcinoma                      Metastatic (Uterus)
- [ Adenocarcinoma    TGLs = 10-14 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1013

TRT#: 4

SEX: Female

DAY ON TEST: 738

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1013

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric	Adenocarcinoma	Metastatic (Uterus)
* Ovary	Adenocarcinoma	Metastatic (Uterus)
[ Adenocarcinoma TGLs = 1-16 ]		
* Skeletal Muscle	Adenocarcinoma	Metastatic (Uterus)
[ Adenocarcinoma TGLs = 7-19, 8-19 ]		
* Spleen	Extramedullary Hematopoiesis	Marked
[ Extramedullary Hematopoiesis TGLs = 3-12 ]		
* Thyroid GI		
Note: One thyroid gland examined.		
* Uterus	Adenocarcinoma	
[ Adenocarcinoma TGLs = 2-16 ]		

PRIMARY CAUSE OF DEATH - Uterus Adenocarcinoma

Animal Note: TGLs 4 & 6 = NCL; TGL 9 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1014

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Salivary Glands           | * Skeletal Muscle         | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach      | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder           |                           |                             |                          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                               |               |                              |                     |
|-------------------------------|---------------|------------------------------|---------------------|
| * Adrenal Cortex              | Subcapsular   | Hyperplasia                  | Mild                |
| * Brain                       |               | Mineral                      | Mild                |
| * Kidney                      | Interstitium  | Infiltration Cellular        | Lymphocyte, Minimal |
| * Lung                        |               | Alveolar/Bronchiolar Adenoma |                     |
| * Skin                        | Hair Follicle | Atrophy                      | Marked              |
| [ Atrophy TGLs = 1-19, 2-20 ] |               |                              |                     |
| * Stomach, Glandular          |               | Cyst                         |                     |
| * Uterus                      | Endometrium   | Hyperplasia                  | Cystic, Moderate    |
| [ Hyperplasia TGLs = 3-16 ]   |               |                              |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1015

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Liver
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Intestine Small, Jejunum
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Brain      Mineral      Mild
- \* Clitoral Gland  
    Note: One clitoral gland examined.
- \* Harderian Gland      Infiltration Cellular      Lymphocyte, Minimal
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Mild
- \* Lung      Alveolar Epith      Hyperplasia      Focal, Mild  
    [ Hyperplasia    TGLs = 2-10 ]
- \* Ovary      Follicle      Angiectasis      Moderate  
    Cyst
- \* Parathyroid Gland  
    Note: One parathyroid gland examined.
- \* Salivary Glands      Infiltration Cellular      Lymphocyte, Minimal
- \* Urinary Bladder      Infiltration Cellular      Lymphocyte, Minimal
- \* Uterus      Endometrium      Angiectasis      Moderate  
    Hyperplasia      Cystic, Marked  
    [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1016

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Kidney    Infarct    Minimal
- Interstitium    Infiltration Cellular    Lymphocyte, Minimal
- \* Liver    Infiltration Cellular    Lymphocyte, Minimal
- \* Ovary  
    Note: One ovary examined.
- \* Pancreas    Infiltration Cellular    Lymphocyte, Minimal
- \* Parathyroid GI  
    Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Skeletal Muscle    Infiltration Cellular    Lymphocyte, Minimal
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Mild
- \* Uterus    Dilatation    Marked

[ Dilatation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1018

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Spinal Cord
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach

MISSING

- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Brain           Mineral      Minimal
- \* Harderian Gland           Infiltration Cellular      Lymphocyte, Minimal
- \* Kidney           Infiltration Cellular      Lymphocyte, Minimal
- Mesentery      Fat      Necrosis      Moderate
- [ Necrosis    TGLs = 2-19 ]
- \* Pancreas           Necrosis      Moderate
- [ Necrosis    TGLs = 3-6 ]
- \* Pituitary Gland      Pars Distalis      Angiectasis      Mild
- \* Salivary Glands           Infiltration Cellular      Lymphocyte, Mild
- \* Spleen           Extramedullary Hematopoiesis      Mild
- \* Thymus           Atrophy      Moderate
- \* Urinary Bladder           Infiltration Cellular      Lymphocyte, Minimal
- \* Uterus      Endometrium      Hyperplasia      Cystic, Mild

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1019

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Urinary Bladder

MISSING

- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- \* Kidney    Infarct                                      Minimal
- Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver    Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 4-12, 5-12,6-12,7-12 ]
- Lymph Node                                      Mediastinal                                      Hyperplasia                                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 8-19 ]
- \* Lymph Node, Mesenteric                      Hyperplasia                                      Lymphoid, Minimal
- [ Hyperplasia    TGLs = 2-21RT ]
- Mesentery                                      Fat                                      Necrosis                                      Moderate
- [ Necrosis    TGLs = 3-15 ]
- \* Pancreas    Infiltration Cellular                      Lymphocyte, Minimal
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus    Endometrium                                      Hyperplasia                                      Cystic, Mild
- [ Hyperplasia    TGLs = 1-16 ]

Animal Note: TGL 9 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1020

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1020

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                            |                             |                             |                          |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                    | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Nerve Trigeminal          | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Salivary Glands          | * Skeletal Muscle           | * Skin                      | * Spinal Cord            |
| * Stomach, Forestomach     | * Stomach, Glandular        | * Thyroid Gland             | * Trachea                |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                                 |                                 |                              |                       |
|---------------------------------|---------------------------------|------------------------------|-----------------------|
| * Adrenal Cortex                | Subcapsular                     | Hyperplasia                  | Mild                  |
| * Harderian Gland               |                                 | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Kidney                        | Interstitium                    | Infiltration Cellular        | Lymphocyte, Mild      |
|                                 |                                 | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                         |                                 | Extramedullary Hematopoiesis | Minimal               |
| * Parathyroid GI                |                                 |                              |                       |
| Note: One parathyroid examined. |                                 |                              |                       |
| * Spleen                        |                                 | Hemangiosarcoma              |                       |
|                                 | [ Hemangiosarcoma TGLs = 2-12 ] |                              |                       |
| * Thymus                        |                                 | Atrophy                      | Mild                  |
| * Urinary Bladder               |                                 | Infiltration Cellular        | Lymphocyte, Mild      |
| * Uterus                        | Endometrium                     | Hyperplasia                  | Cystic, Mild          |
|                                 | [ Hyperplasia TGLs = 4-16 ]     |                              |                       |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

Animal Note: TGLs 1, 3, 5 & 6 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1021

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Kidney                    | * Liver                  | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                      |
| * Ovary                     | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thyroid Gland          | * Trachea                   |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                                       |             |                       |                      |
|---------------------------------------|-------------|-----------------------|----------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Mild                 |
| * Brain                               |             | Mineral               | Minimal              |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Minimal  |
| * Parathyroid Gland                   |             |                       |                      |
| Note: One parathyroid gland examined. |             |                       |                      |
| * Salivary Glands                     |             | Infiltration Cellular | Lymphocyte, Minimal  |
| * Thymus                              |             | Cyst                  |                      |
| * Urinary Bladder                     |             | Infiltration Cellular | Lymphocyte, Moderate |
| * Uterus                              | Endometrium | Hyperplasia           | Cystic, Moderate     |
- [ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1022

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nerve Trigeminal
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Parathyroid Gland
- \* Urinary Bladder

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Mild
- \* Harderian Gland                      Adenoma
- [ Adenoma    TGLs = 3-5 ]
- \* Kidney                                      Infarct                              Mild
- Mesentery                              Interstitium                      Infiltration Cellular              Lymphocyte, Mild
- [ Lipoma    TGLs = 1-19 ]              Fat                                      Lipoma
- \* Pancreas                                      Infiltration Cellular              Lymphocyte, Minimal
- \* Pituitary Gland                      Pars Distalis                      Adenoma
- \* Salivary Glands                      Infiltration Cellular              Lymphocyte, Mild
- \* Uterus                                      Endometrium                      Hyperplasia                      Cystic, Moderate
- [ Hyperplasia    TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1023

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach

MISSING

- \* Gallbladder
- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Urinary Bladder

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Minimal
- \* Clitoral Gl  
    Note: One clitoral gland examined.
- \* Harderian Gland
- \* Kidney                                      Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Liver    [ Hepatocellular Carcinoma    TGLs = 2-19 ]                      Infiltration Cellular                      Lymphocyte, Mild
- \* Lung    Hemorrhage                                      Moderate
- \* Lymph Node, Mesenteric                      Hyperplasia                                      Lymphoid, Mild
- \* Ovary    Cyst
- Note: One ovary examined.  
    [ Cyst    TGLs = 1-16 ]
- \* Parathyroid Gl  
    Note: One parathyroid gland examined.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1023

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1023

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Thymus

Hemorrhage

Mild

\* Uterus

Dilation

Mild

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1024

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1024

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Skin                      | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder           |                           |                             |                          |

**MISSING**

- \* Nerve Trigeminal

**OBSERVATIONS**

- |                          |               |                        |                     |
|--------------------------|---------------|------------------------|---------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia            | Mild                |
| * Brain                  |               | Mineral                | Minimal             |
| * Kidney                 | Interstitium  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver                  |               | Hepatocellular Adenoma |                     |
| [ Hepatocellular Adenoma | TGLs = 3-12 ] |                        |                     |
| Lymph Node               | Mediastinal   | Hyperplasia            | Lymphoid, Moderate  |
| [ Hyperplasia            | TGLs = 2-19 ] |                        |                     |
| * Salivary Glands        |               | Infiltration Cellular  | Lymphocyte, Mild    |
| * Skeletal Muscle        |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Uterus                 |               | Dilation               | Moderate            |
|                          | Endometrium   | Hyperplasia            | Cystic, Mild        |
| [ Dilation               | TGLs = 1-16 ] |                        |                     |
| [ Hyperplasia            | TGLs = 1-16 ] |                        |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1025

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Thymus
- \* Uterus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Nerve Trigeminal

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Kidney    Infarct    Mild
- \* Liver    Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 6-12, 7-12 ]
- \* Lung    Hemorrhage    Mild
- Lymph Node    Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 5-19 ]
- \* Lymph Node, Mandibular    Infiltration Cellular    Histiocyte, Mild
- \* Lymph Node, Mesenteric    Lymphoma Malignant
- [ Lymphoma Malignant    TGLs = 4-15 ]
- \* Mammary GI
- Note: Mammary gland tissue in slide 16.
- \* Pancreas    Lymphoma Malignant
- \* Skin    Ulcer    Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1025

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 747

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1025

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ulcer TGLs = 8-20 ]

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 1-12, 2-12 ]

---

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

---

Animal Note: TGL 3 = NST; TGL 9 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1027

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Bone
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Bone Marrow Hypercellularity Mild
- \* Brain Mineral Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Hemangiosarcoma Infiltration Cellular Lymphocyte, Mild
- [ Hemangiosarcoma TGLs = 1-12, 6-12 ]
- \* Lung Infiltration Cellular Mixed Cell, Minimal
- \* Ovary Hemorrhage Marked
- [ Hemorrhage TGLs = 2-16 ]
- \* Parathyroid Gland  
Note: One parathyroid examined.
- \* Pituitary Gland Pars Distalis Cyst
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Skeletal Muscle Infiltration Cellular Lymphocyte, Mild
- \* Spinal Cord Necrosis Moderate
- \* Spleen Extramedullary Hematopoiesis Marked

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1027

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1027

ORGAN AND ACCOUNTABLE SITE STATUS

[ Extramedullary Hematopoiesis TGLs = 7-12 ]

\* Thyroid GI

Note: One thyroid examined.

\* Urinary Bladder

\* Uterus

Infiltration Cellular

Lymphocyte, Mild

Angiectasis

Marked

Endometrium

Hyperplasia

Cystic, Mild

[ Angiectasis TGLs = 3-16 ]

[ Hyperplasia TGLs = 3-16 ]

PRIMARY CAUSE OF DEATH - Spinal Cord Necrosis

Animal Note: TGL 5 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1028

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |  |                               |   |   |
|--|-------------------------------|---|---|
| <ul style="list-style-type: none"> <li>* Adrenal Cortex</li> <li>* Harderian Gland</li> <li>* Liver</li> </ul>   | <p>Subcapsular</p>            | <p>Hyperplasia<br/>Infiltration Cellular<br/>Hepatocellular Adenoma<br/>Infiltration Cellular</p> | <p>Mild<br/>Lymphocyte, Minimal</p>   |
| <p>Mesentery<br/>[ Necrosis TGLs = 2-19 ]</p> <ul style="list-style-type: none"> <li>* Pancreas</li> <li>* Parathyroid GI</li> </ul> <p>Note: One parathyroid examined.</p> <ul style="list-style-type: none"> <li>* Salivary Glands</li> <li>* Uterus</li> </ul> <p>[ Hyperplasia TGLs = 1-16 ]</p> | <p>Fat</p> <p>Endometrium</p> | <p>Necrosis<br/>Infiltration Cellular<br/>Hyperplasia</p>   | <p>Lymphocyte, Mild<br/>Mild<br/>Lymphocyte, Minimal<br/>Lymphocyte, Minimal<br/>Cystic, Mild</p> |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

**ANIMAL ID:** 1029

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1029

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

**MISSING**

* Nerve Trigeminal	* Ovary	* Parathyroid Gland	
--------------------	---------	---------------------	--

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Infarct	Minimal
	Interstitium	Infiltration Cellular	Lymphocyte, Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma	TGLs = 2-12 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia	TGLs = 1-16 ]		

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1032

TRT#: 4

SEX: Female

DAY ON TEST: 751

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                             |                             |
|-----------------------------|----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Esophagus                | * Eye                       | * Heart                     |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic        | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Mammary Gland            | * Nerve Trigeminal          | * Nose                      |
| * Pancreas                  | * Parathyroid Gland        | * Peripheral Nerve, Sciatic | * Pituitary Gland           |
| * Skin                      | * Spinal Cord              | * Spleen                    | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                   | * Thyroid Gland             | * Trachea                   |

MISSING

- |                  |               |         |         |
|------------------|---------------|---------|---------|
| * Clitoral Gland | * Gallbladder | * Liver | * Ovary |
|------------------|---------------|---------|---------|

INSUFFICIENT TISSUE

- \* Harderian Gland

OBSERVATIONS

- |                                       |                |                       |                     |
|---------------------------------------|----------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular    | Hyperplasia           | Mild                |
| * Brain                               |                | Mineral               | Mild                |
| * Kidney                              |                | Infarct               | Minimal             |
|                                       | Interstitium   | Infiltration Cellular | Lymphocyte, Minimal |
| * Lung                                | Alveolar Epith | Hyperplasia           | Focal, Mild         |
| * Parathyroid GI                      |                |                       |                     |
| Note: One parathyroid gland examined. |                |                       |                     |
| * Salivary Glands                     |                | Infiltration Cellular | Lymphocyte, Mild    |
| * Skeletal Muscle                     |                | Infiltration Cellular | Lymphocyte, Mild    |
| * Thyroid GI                          |                |                       |                     |
| Note: One thyroid gland examined.     |                |                       |                     |
| * Urinary Bladder                     |                | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              | Endometrium    | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]           |                |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1034

TRT#: 4

SEX: Female

DAY ON TEST: 740

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skin
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Liver
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal
- \* Ovary
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Adenoma                                      Infiltration Cellular                      Lymphocyte, Mild
- [ Adenoma    TGLs = 6-5 ]
- \* Heart                                      Cardiomyopathy                      Mild
- \* Intestine Small, Ileum                      Peyers Patch                      Hyperplasia                      Lymphoid, Moderate
- [ Hyperplasia    TGLs = 5-15 ]
- \* Kidney                                      Interstitium                      Infiltration Cellular                      Lymphocyte, Minimal
- Mesentery                                      Fat                                      Necrosis                                      Moderate
- [ Necrosis    TGLs = 1-16, 1-21RT ]
- \* Peripheral Nerve, Sciatic                      Axon                                      Degeneration                      Minimal
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Spleen                                      Hyperplasia                                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 2-12 ]
- \* Thyroid GI

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1034

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1034

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid gland examined.

\* Uterus

Endometrium

Dilation

Moderate

Hyperplasia

Cystic, Minimal

[ Dilation TGLs = 3-20RT ]

[ Hyperplasia TGLs = 3-20RT ]

---

Animal Note: TGL 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1035

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Adrenal Medulla
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
- \* Bone
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Pancreas
- \* Salivary Glands
- \* Urinary Bladder
- \* Uterus
- Subcapsular
- Hyperplasia
- Increased Bone
- Mineral
- Infiltration Cellular
- Infiltration Cellular
- Nephropathy
- Hepatocellular Adenoma
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Hyperplasia
- Mild
- Moderate
- Mild
- Lymphocyte, Mild
- Lymphocyte, Mild
- Chronicprogr, Minimal
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Lymphocyte, Minimal
- Cystic, Mild

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1036

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                  | * Thyroid Gland             | * Trachea                |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                     |  |                        |                     |
|---------------------|--|------------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain             |  | Mineral                | Minimal             |
| * Kidney            |  | Infarct                | Mild                |
|                     | Interstitium                           | Infiltration Cellular  | Lymphocyte, Mild    |
| * Liver             |  | Hepatocellular Adenoma |                     |
|                     |  | Inflammation           | Focal, Mild         |
|                     | [ Hepatocellular Adenoma TGLs = 3-19 ] |                        |                     |
| Mesentery           | Fat                                    | Necrosis               | Mild                |
|                     | [ Necrosis TGLs = 1-19 ]               |                        |                     |
| * Parathyroid Gland |  |                        |                     |
|                     | Note: One parathyroid gland examined.  |                        |                     |
| * Pituitary Gland   | Pars Distalis                          | Adenoma                |                     |
|                     | [ Adenoma TGLs = 4-4 ]                 |                        |                     |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Urinary Bladder   |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus            | Endometrium                            | Hyperplasia            | Cystic, Mild        |
|                     | [ Hyperplasia TGLs = 2-16 ]            |                        |                     |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1037

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Adenoma                                      Infiltration Cellular                      Lymphocyte, Minimal
- [ Adenoma    TGLs = 4-5 ]
- \* Kidney                                      Infarct                                      Mild
- \* Liver                                      Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- Lymph Node                      Lumbar                                      Hyperplasia                      Lymphoid, Moderate
- [ Hyperplasia    TGLs = 5-19 ]
- \* Parathyroid GI                      Note: One parathyroid gland examined.
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                                      Dilation                                      Moderate
- Endometrium                      Hyperplasia                                      Cystic, Moderate
- [ Dilation    TGLs = 1-16 ]
- [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1037

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1037

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1038

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Lung Nephropathy Chronicprogr, Minimal
- \* Lung Alveolar/Bronchiolar Carcinoma Granular Cell Tumor Malignant Metastatic (Uterus)
- \* Lung [ Alveolar/Bronchiolar Carcinoma TGLs = 4-22 ]
- \* Lung Lymph Node Iliac Hyperplasia Lymphoid, Mild
- \* Lung Bronchial Hyperplasia Lymphoid, Mild
- \* Lung Iliac Infiltration Cellular Histiocyte, Moderate
- \* Lung Bronchial Infiltration Cellular Histiocyte, Mild
- \* Lung [ Hyperplasia TGLs = 2-19 ]
- \* Lung [ Hyperplasia TGLs = 3-20 ]
- \* Lung [ Infiltration Cellular TGLs = 2-19 ]
- \* Lung [ Infiltration Cellular TGLs = 3-20 ]
- \* Pancreas Infiltration Cellular Lymphocyte, Minimal
- \* Parathyroid GI

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1038

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1038

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Granular Cell Tumor Malignant	
	Endometrium	Hyperplasia	Cystic, Mild
	[ Granular Cell Tumor Malignant TGLs = 5-21 ]		
	[ Hyperplasia TGLs = 1-16 ]		

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1039

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |   |  |   |  |
|---|--|---|--|
| <ul style="list-style-type: none"> <li>* Adrenal Cortex</li> <li>* Brain</li> <li>* Clitoral GI</li> <li style="padding-left: 20px;">Note: One clitoral gland examined.</li> <li>* Harderian Gland</li> <li>* Kidney</li> <li style="padding-left: 20px;">Mesentery</li> <li style="padding-left: 40px;">[ Necrosis TGLs = 2-6 ]</li> <li>* Parathyroid GI</li> <li style="padding-left: 20px;">Note: One parathyroid gland examined.</li> <li>* Salivary Glands</li> <li>* Urinary Bladder</li> <li>* Uterus</li> <li style="padding-left: 20px;">[ Hyperplasia TGLs = 1-16 ]</li> </ul> | <ul style="list-style-type: none"> <li>Subcapsular</li> <li>Interstitialium</li> <li>Fat</li> <li>Endometrium</li> </ul> | <ul style="list-style-type: none"> <li>Hyperplasia</li> <li>Mineral</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Metaplasia</li> <li>Necrosis</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Hyperplasia</li> </ul> | <ul style="list-style-type: none"> <li>Mild</li> <li>Mild</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Mild</li> <li>Osseous</li> <li>Moderate</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Cystic, Mild</li> </ul> |
|---|--|---|--|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1041

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 639

**DOSE:** 2.5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1041

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                           |                             |
|-----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                    | * Brain                     |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus               | * Eye                       |
| * Intestine Large, Cecum    | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum  | * Kidney                 | * Mammary Gland           | * Nerve Trigeminal          |
| * Nose                      | * Ovary                  | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands        | * Skin                    | * Spinal Cord               |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland           | * Trachea                   |

**MISSING**

- |                      |                          |            |          |
|----------------------|--------------------------|------------|----------|
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Pancreas | * Thymus |
|----------------------|--------------------------|------------|----------|

**AUTO PRECLUDES DIAG.**

- |               |                          |
|---------------|--------------------------|
| * Gallbladder | * Intestine Small, Ileum |
|---------------|--------------------------|

**OBSERVATIONS**

- |  |             |                          |                              |
|--|-------------|--------------------------|------------------------------|
| * Adrenal Cortex<br>Note: One adrenal cortex examined.           | Subcapsular | Hyperplasia              | Moderate                     |
| * Adren Medulla<br>Note: One adrenal medulla examined.           |             |                          |                              |
| * Bone Marrow  |             | Hypercellularity         | Moderate                     |
| * Harderian Gland  |             | Infiltration Cellular    | Lymphocyte, Minimal          |
| * Heart  |             | Sarcoma                  | Metastatic (Skeletal Muscle) |
| * Liver<br>[ Hepatocellular Carcinoma TGLs = 1-12 ]              |             | Hepatocellular Carcinoma | Metastatic (Skeletal Muscle) |
| * Lung<br>[ Sarcoma TGLs = 9-10 ]                                |             | Sarcoma                  | Metastatic (Skeletal Muscle) |
| * Lymph Node, Mesenteric<br>Mesentery<br>[ Sarcoma TGLs = 6-15 ] |             | Sarcoma                  | Metastatic (Skeletal Muscle) |
| * Ovary<br>Note: One ovary examined.                             |             | Sarcoma                  | Metastatic (Skeletal Muscle) |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1041

TRT#: 4

SEX: Female

DAY ON TEST: 639

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1041

ORGAN AND ACCOUNTABLE SITE STATUS

* Skeletal Muscle		Sarcoma	
[ Sarcoma	TGLs = 3-20, 8-21, 7-22 ]		
* Spleen		Extramedullary Hematopoiesis	Mild
[ Extramedullary Hematopoiesis	TGLs = 2-12 ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Lung Sarcoma Skeletal Muscle

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 10 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1044

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Islets, Pancreatic
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Lung
- \* Ovary
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Moderate
- \* Brain Mineral Minimal
- \* Clitoral GI
  - Note: One clitoral gland examined.
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Intestine Large, Rectum Histiocytic Sarcoma
- \* Intestine Small, Jejunum Peyers Patch Hyperplasia Lymphoid, Marked
  - [ Hyperplasia TGLs = 4-14 ]
- \* Kidney Interstitium Histiocytic Sarcoma
- \* Liver Infiltration Cellular Lymphocyte, Mild
  - [ Histiocytic Sarcoma TGLs = 6-12, 7-12 ]
- Lymph Node Histiocytic Sarcoma
  - [ Histiocytic Sarcoma TGLs = 5-19 ]
- \* Ovary
  - Note: One ovary examined.
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Spleen Extramedullary Hematopoiesis Moderate

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1044

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 2.5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1044

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 3-12 ]

\* Urinary Bladder

Histiocytic Sarcoma

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Dilation

Marked

Histiocytic Sarcoma

[ Dilation TGLs = 1-16 ]

[ Histiocytic Sarcoma TGLs = 2-20 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1046

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                       |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Liver                     | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                      |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland             |
| * Trachea                   |                          |                            |                             |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular
- \* Pituitary Gland

OBSERVATIONS

- |                                     |                 |                              |                     |
|-------------------------------------|-----------------|------------------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular     | Hyperplasia                  | Mild                |
| * Adren Medulla                     |                 |                              |                     |
| Note: One adrenal medulla examined. |                 |                              |                     |
| * Brain                             |                 | Mineral                      | Minimal             |
| * Harderian Gland                   |                 | Infiltration Cellular        | Lymphocyte, Mild    |
| * Heart                             |                 | Cardiomyopathy               | Mild                |
| * Kidney                            | Interstitialium | Infiltration Cellular        | Lymphocyte, Minimal |
| * Lung                              |                 | Alveolar/Bronchiolar Adenoma |                     |
| * Salivary Glands                   |                 | Infiltration Cellular        | Lymphocyte, Minimal |
| * Urinary Bladder                   |                 | Infiltration Cellular        | Lymphocyte, Mild    |
| * Uterus                            |                 | Dilation                     | Moderate            |

[ Dilation TGLs = 1-16 ]

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1047

TRT#: 4

SEX: Female

DAY ON TEST: 33

DOSE: 2.5 W/kg

DISP: Natural Death

HISTO: 12-5117-1047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone Marrow
- \* Brain
- \* Brain Trigeminal Ganglion
- \* Esophagus
- \* Eye
- \* Harderian Gland
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nerve Trigeminal
- \* Nose
- \* Ovary
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Salivary Glands
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder
- \* Uterus

MISSING

- \* Clitoral Gland
- \* Gallbladder
- \* Parathyroid Gland
- \* Pituitary Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Int Lg Cecum  
Note: NCL
- \* Int Lg Colon  
Note: No correlating lesion
- \* Int Lg Rectum  
Note: No correlating lesion
- \* Int Sm Duoden  
Note: No correlating lesion.
- \* Int Sm Ileum  
Note: No correlating lesion
- \* Int Sm Jejunum  
Note: No correlating lesion

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1048

TRT#: 4

SEX: Female

DAY ON TEST: 746

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |               |                       |                     |
|---------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                               |               | Mineral               | Mild                |
| * Harderian Gland                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium  | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Pancreas                            |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid Gland                   |               |                       |                     |
| Note: One parathyroid gland examined. |               |                       |                     |
| * Pituitary Gland                     | Pars Distalis | Angiectasis           | Mild                |
| [ Angiectasis TGLs = 2-4 ]            |               |                       |                     |
| * Salivary Glands                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              | Endometrium   | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ]           |               |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1049

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |  |   |   |  |
|--|---|---|--|
| <ul style="list-style-type: none"> <li>* Adrenal Cortex</li> <li>* Brain</li> </ul>  | <ul style="list-style-type: none"> <li>Subcapsular</li> <li>Artery, Meninges</li> </ul> | <ul style="list-style-type: none"> <li>Hyperplasia</li> <li>Inflammation</li> <li>Mineral</li> </ul>  | <ul style="list-style-type: none"> <li>Mild</li> <li>Chronic Active, Mild</li> <li>Minimal</li> </ul>  |
| <ul style="list-style-type: none"> <li>* Clitoral Gl</li> <li style="padding-left: 20px;">Note: One clitoral gland examined.</li> <li>* Harderian Gland</li> <li>* Kidney</li> <li>* Liver</li> <li>* Ovary</li> <li style="padding-left: 20px;">[ Cyst TGLs = 1-16 ]</li> <li>* Pancreas</li> <li>* Salivary Glands</li> <li>* Urinary Bladder</li> <li>* Uterus</li> <li style="padding-left: 20px;">[ Dilatation TGLs = 1-16 ]</li> </ul> | <ul style="list-style-type: none"> <li>Interstitialium</li> <li>Endometrium</li> </ul>  | <ul style="list-style-type: none"> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Cyst</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Dilation</li> <li>Hyperplasia</li> </ul> | <ul style="list-style-type: none"> <li>Lymphocyte, Mild</li> <li>Lymphocyte, Mild</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Mild</li> <li>Lymphocyte, Mild</li> <li>Moderate</li> <li>Cystic, Mild</li> </ul> |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1050

TRT#: 4

SEX: Female

DAY ON TEST: 750

DOSE: 2.5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                   |              |                       |                     |
|-------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                |
| * Brain           |              | Mineral               | Minimal             |
| * Harderian Gland |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney          | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus          | Endometrium  | Hyperplasia           | Cystic, Moderate    |

[ Hyperplasia TGLs = 2-16 ]

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1156

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                      |
| * Ovary                     | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands         | * Skeletal Muscle           | * Skin                      |
| * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular        |
| * Thymus                    | * Thyroid Gland           | * Trachea                   |                             |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                   |                             |                       |                  |
|-------------------|-----------------------------|-----------------------|------------------|
| * Adrenal Cortex  | Subcapsular                 | Hyperplasia           | Mild             |
| * Brain           |                             | Mineral               | Minimal          |
| * Kidney          |                             | Infarct               | Mild             |
| * Urinary Bladder |                             | Angiectasis           | Mild             |
|                   |                             | Infiltration Cellular | Lymphocyte, Mild |
| * Uterus          | Endometrium                 | Hyperplasia           | Cystic, Moderate |
|                   | [ Hyperplasia TGLs = 2-16 ] |                       |                  |

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1157

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Adrenal Medulla
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Minimal
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Harderian Gland                      Adenoma
- [ Adenoma    TGLs = 3-5 ]
- \* Kidney                                      Interstitium                      Infarct                                      Moderate
- Infiltration Cellular                      Lymphocyte, Mild
- \* Liver                                      Hepatocellular Adenoma                      Multiple
- [ Hepatocellular Adenoma    TGLs = 2-12.1RC, 4-19 ]
- \* Mammary Gland                      Adenoma
- [ Adenoma    TGLs = 1-20 ]
- \* Parathyroid GI  
    Note: One parathyroid examined.
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                                      Endometrium                      Hyperplasia                      Cystic, Moderate
- [ Hyperplasia    TGLs = 5-13 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1158

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   |
| * Ovary                     | * Pancreas                | * Parathyroid Gland         | * Salivary Glands        |
| * Spinal Cord               | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                    | * Thyroid Gland           | * Trachea                   |                          |

MISSING

- |                    |                             |
|--------------------|-----------------------------|
| * Nerve Trigeminal | * Peripheral Nerve, Sciatic |
|--------------------|-----------------------------|

OBSERVATIONS

- |                                       |  |                                |                     |
|---------------------------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                                    | Hyperplasia                    | Mild                |
| * Brain                               |  | Mineral                        | Minimal             |
| * Liver                               |  | Basophilic Focus               |                     |
|                                       |  | Infiltration Cellular          | Lymphocyte, Mild    |
| * Parathyroid Gland                   |  |                                |                     |
| Note: One parathyroid gland examined. |  |                                |                     |
| * Pituitary Gland                     | Pars Distalis                                  | Angiectasis                    | Moderate            |
| * Skeletal Muscle                     |  | Infiltration Cellular          | Lymphocyte, Minimal |
| * Skin                                | Subcut Tiss                                    | Malignant Fibrous Histiocytoma |                     |
|                                       | [ Malignant Fibrous Histiocytoma TGLs = 1-19 ] |                                |                     |
| * Urinary Bladder                     |  | Infiltration Cellular          | Lymphocyte, Mild    |
| * Uterus                              | Endometrium                                    | Dilation                       | Moderate            |
|                                       |  | Hyperplasia                    | Cystic, Mild        |
|                                       | [ Dilation TGLs = 2-16 ]                       |                                |                     |
|                                       | [ Hyperplasia TGLs = 2-16 ]                    |                                |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1159

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                           |                             |
|--------------------------|-----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone Marrow             | * Clitoral Gland            |
| * Esophagus              | * Eye                       | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Mammary Gland             | * Nerve Trigeminal        | * Nose                      |
| * Pancreas               | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Skeletal Muscle           |
| * Skin                   | * Spinal Cord               | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thymus                 | * Thyroid Gland             | * Trachea                 |                             |

MISSING

- |                             |                     |
|-----------------------------|---------------------|
| * Brain Trigeminal Ganglion | * Parathyroid Gland |
|-----------------------------|---------------------|

OBSERVATIONS

- |  |             |                       |                     |
|--|-------------|-----------------------|---------------------|
| * Adrenal Cortex                         | Subcapsular | Hyperplasia           | Mild                |
| * Bone                                   |             | Increased Bone        | Moderate            |
| [ Increased Bone TGLs = 1-19 ]           |             |                       |                     |
| * Brain                                  |             | Mineral               | Minimal             |
| * Harderian Gland                        |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                                 |             | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 4-13, 5-13 ] |             |                       |                     |
| * Liver                                  |             | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 6-12 ]       |             |                       |                     |
| * Lung                                   |             | Lymphoma Malignant    |                     |
| * Ovary                                  | Follicle    | Cyst                  |                     |
| * Salivary Glands                        |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen                                 |             | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 2-12 ]       |             |                       |                     |
| * Urinary Bladder                        |             | Angiectasis           | Mild                |
|  |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                                 | Endometrium | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 3-16 ]              |             |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1160

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                      | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                    | * Thyroid Gland             | * Trachea                   |                          |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |              |                       |                      |
|-------------------|--------------|-----------------------|----------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                 |
| * Brain           |              | Mineral               | Minimal              |
| * Kidney          | Interstitium | Infiltration Cellular | Lymphocyte, Minimal  |
| * Liver           |              | Infiltration Cellular | Lymphocyte, Mild     |
| * Ovary           |              | Luteoma               |                      |
| * Salivary Glands |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Spleen          |              | Hyperplasia           | Lymphoid, Moderate   |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Moderate |
| * Uterus          |              | Dilation              | Moderate             |

[ Dilation TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1161

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skin                      | * Spinal Cord            | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                   |

MISSING

- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |                                   |               |                              |                     |
|-----------------------------------|---------------|------------------------------|---------------------|
| * Adrenal Cortex                  | Subcapsular   | Hyperplasia                  | Mild                |
| * Brain                           |               | Mineral                      | Mild                |
| * Harderian Gland                 |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                          |               | Infarct                      | Mild                |
| * Liver                           |               | Hepatocellular Carcinoma     | Multiple            |
| [ Hepatocellular Carcinoma        | TGLs = 2-12 ] |                              |                     |
| Mesentery                         | Fat           | Necrosis                     | Moderate            |
| [ Necrosis                        | TGLs = 3-6 ]  |                              |                     |
| * Pancreas                        |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Salivary Glands                 |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Skeletal Muscle                 |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Spleen                          |               | Extramedullary Hematopoiesis | Mild                |
| * Thyroid GI                      |               |                              |                     |
| Note: One thyroid gland examined. |               |                              |                     |
| * Urinary Bladder                 |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Uterus                          | Endometrium   | Hyperplasia                  | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1161

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1161

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1162

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1162

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Glandular        | * Trachea                   |                             |                            |

**OBSERVATIONS**

- |                        |                                       |                       |                     |
|------------------------|---------------------------------------|-----------------------|---------------------|
| * Adrenal Cortex       | Subcapsular                           | Hyperplasia           | Mild                |
| * Brain                |                                       | Mineral               | Mild                |
| * Harderian Gland      |                                       | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney               |                                       | Lymphoma Malignant    |                     |
|                        | [ Lymphoma Malignant TGLs = 2-13 ]    |                       |                     |
| * Lung                 |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| Lymph Node             | Iliac                                 | Hyperplasia           | Lymphoid, Moderate  |
|                        | Iliac                                 | Pigment               | Minimal             |
|                        | [ Hyperplasia TGLs = 4-21 ]           |                       |                     |
|                        | [ Pigment TGLs = 5-21 ]               |                       |                     |
| Mesentery              | Fat                                   | Lymphoma Malignant    |                     |
|                        | [ Lymphoma Malignant TGLs = 3-20 ]    |                       |                     |
| * Parathyroid G1       |                                       |                       |                     |
|                        | Note: One parathyroid gland examined. |                       |                     |
| * Salivary Glands      |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| * Stomach, Forestomach |                                       | Cyst                  |                     |
| * Thymus               |                                       | Hyperplasia           | Lymphoid, Mild      |
| * Thyroid Gland        |                                       | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder      |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus               |                                       | Dilation              | Moderate            |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1162

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1162

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

---

Animal Note: TGL 6 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1163

TRT#: 6

SEX: Female

DAY ON TEST: 219

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Liver
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Uterus
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

- \* Adrenal Cortex
- \* Kidney
- \* Urinary Bladder
- \* Adrenal Medulla
- \* Ovary
- \* Gallbladder
- \* Pancreas
- \* Intestine Small, Ileum
- \* Spleen

OBSERVATIONS

- \* Lymph Node, Mandibular
- Infiltration Cellular
- Histiocyte, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGLs 1-3 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1164

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular    | * Nose                      | * Ovary                  | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Skin                      | * Spinal Cord            | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                          |  |                                   |                      |
|--------------------------|--|-----------------------------------|----------------------|
| * Adrenal Cortex         |  | Accessory Adrenal Cortical Nodule | Mild                 |
|                          | Subcapsular                              | Hyperplasia                       | Mild                 |
| * Brain                  |  | Mineral                           | Mild                 |
| * Harderian Gland        |  | Adenoma                           |                      |
|                          |  | Infiltration Cellular             | Lymphocyte, Minimal  |
| * Islets, Pancreatic     |  | Hyperplasia                       | Mild                 |
| * Kidney                 |  | Infarct                           | Mild                 |
|                          | Interstitium                             | Infiltration Cellular             | Lymphocyte, Moderate |
| * Liver                  |  | Hepatocellular Adenoma            |                      |
|                          |  | Hepatocellular Carcinoma          |                      |
|                          |  | Infiltration Cellular             | Lymphocyte, Minimal  |
|                          | [ Hepatocellular Adenoma TGLs = 1-19 ]   |                                   |                      |
|                          | [ Hepatocellular Carcinoma TGLs = 2-12 ] |                                   |                      |
| * Lung                   | Alveolar Epith                           | Hyperplasia                       | Focal, Mild          |
| * Lymph Node, Mesenteric |  | Hemorrhage                        | Mild                 |
| * Mammary Gland          |  | Hyperplasia                       | Focal, Mild          |
| * Ovary                  |  |                                   |                      |
|                          | Note: One ovary examined.                |                                   |                      |
| * Pancreas               |  | Infiltration Cellular             | Lymphocyte, Mild     |
| * Parathyroid GI         |  |                                   |                      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1164

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1164

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: One parathyroid gland examined.

\* Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLs = 3-4 ]

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Skeletal Muscle

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Minimal

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Adenomyosis

Moderate

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1165

TRT#: 6

SEX: Female

DAY ON TEST: 752

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Ovary

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Mild
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney                                      Infarct                                      Mild
- \* Liver                                      Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 2-12 ]
- \* Parathyroid GI  
    Note: One parathyroid gland examined.
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Mild
- \* Urinary Bladder                      Infiltration Cellular                      Lymphocyte, Mild
- \* Uterus                                      Dilatation                                      Moderate
- Endometrium                      Hyperplasia                                      Cystic, Mild
- [ Dilatation    TGLs = 1-16 ]
- [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1167

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Spinal Cord
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Stomach, Forestomach

MISSING

- \* Gallbladder
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Clitoral Gland  
    Note: One clitoral gland examined.
- \* Harderian Gland    Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver    Infiltration Cellular                      Lymphocyte, Mild
- \* Lung    Infiltration Cellular                      Lymphocyte, Mild
- \* Lymph Node, Mesenteric    Hyperplasia                      Lymphoid, Moderate
- \* Mammary Gland                      Duct                      Dilation                      Mild
- \* Ovary  
    Note: One ovary examined.  
    [ Cystadenoma    TGLs = 1-16 ]
- \* Pancreas    Infiltration Cellular                      Lymphocyte, Mild
- \* Peripheral Nerve, Sciatic                      Axon                      Degeneration                      Minimal
- \* Pituitary Gland                      Pars Distalis                      Adenoma
- [ Adenoma    TGLs = 3-4 ]
- \* Salivary Glands    Infiltration Cellular                      Lymphocyte, Mild
- \* Spleen    Hyperplasia                      Lymphoid, Mild
- \* Thymus    Hyperplasia                      Lymphoid, Marked
- [ Hyperplasia    TGLs = 2-6 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1167

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1167

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Moderate

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1168

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spinal Cord
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pancreas
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Adrenal Medulla                      Bilateral                      Pheochromocytoma Benign
- [ Pheochromocytoma Benign    TGLs = 3-7 ]
- \* Brain                                      Mineral                              Minimal
- \* Harderian Gland                      Infiltration Cellular              Lymphocyte, Minimal
- \* Kidney                                      Interstitium                      Infiltration Cellular              Lymphocyte, Mild
- \* Liver                                      Infiltration Cellular              Lymphocyte, Minimal
- Lymph Node                              Iliac                                      Hyperplasia                      Lymphoid, Moderate
- [ Hyperplasia    TGLs = 4-19 ]
- \* Salivary Glands                      Infiltration Cellular              Lymphocyte, Mild
- \* Skeletal Muscle                      Infiltration Cellular              Lymphocyte, Minimal
- \* Skin                                      Subcut Tiss                      Fibrosarcoma
- [ Fibrosarcoma    TGLs = 1-20 ]
- \* Urinary Bladder                      Infiltration Cellular              Lymphocyte, Minimal
- \* Uterus                                      Endometrium                      Hyperplasia                      Cystic, Moderate
- [ Hyperplasia    TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1169

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Islets, Pancreatic
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Liver
- \* Pancreas
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Trachea

MISSING

- \* Adrenal Medulla
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Salivary Glands

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Stomach, Glandular

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex
    - Subcapsular
      - [ Hemorrhage TGLs = 1-7 ]
  - \* Brain
  - \* Harderian Gland
  - \* Kidney
  - \* Lung
    - [ Alveolar/Bronchiolar Carcinoma TGLs = 6-22, 7-22 ]
  - \* Lymph Node, Mesenteric
    - Mesentery
      - Fat
      - Fat
    - [ Lipoma TGLs = 3-21 ]
    - [ Necrosis TGLs = 5-20 ]
  - \* Ovary
- Hemorrhage
  - Hyperplasia
  - Mineral
  - Infiltration Cellular
  - Metaplasia
  - Alveolar/Bronchiolar Carcinoma
  - Hemorrhage
  - Lipoma
  - Necrosis
- Mild
  - Mild
  - Minimal
  - Lymphocyte, Minimal
  - Osseous
  - Mild
  - Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1169

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1169

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One ovary examined.

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Uterus

Dilation

Moderate

[ Dilation TGLs = 2-16 ]

---

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

---

Animal Note: TGLs 4 & 8 = NCL

---





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1171

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 669

**DOSE:** 5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1171

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 5-16 ]

---

PRIMARY CAUSE OF DEATH

- UNCERTAIN

---

Animal Note: TGL 3 = NCL

---



**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1173

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 752

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

**MISSING**

\* Nerve Trigeminal

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Infarct	Minimal
* Parathyroid GI			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLs = 1-16 ]			

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1175

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                          |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                    | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   |
| * Ovary                    | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Skeletal Muscle          | * Skin                      | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          |
| * Trachea                  |                             |                             |                          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Pancreas                            | Duct         | Cyst                  |                     |
|                                       |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1176

TRT#: 6

SEX: Female

DAY ON TEST: 739

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       | * Nose                     |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thyroid Gland             | * Trachea                |                            |

MISSING

- |                     |          |
|---------------------|----------|
| * Parathyroid Gland | * Thymus |
|---------------------|----------|

OBSERVATIONS

- |                             |              |                       |                     |
|-----------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                     |              | Mineral               | Mild                |
| * Harderian Gland           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                    |              | Infarct               | Mild                |
|                             | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Ovary                     |              | Cyst                  |                     |
| [ Cyst TGLs = 1-16 ]        |              |                       |                     |
| * Salivary Glands           |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder           |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                    | Endometrium  | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 2-16 ] |              |                       |                     |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1177

TRT#: 6

SEX: Female

DAY ON TEST: 752

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Kidney                    | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Mammary Gland             | * Nose                      | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Trachea                |                             |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                      |                                  |                        |                     |
|----------------------|----------------------------------|------------------------|---------------------|
| * Adrenal Cortex     | Subcapsular                      | Hyperplasia            | Mild                |
| * Brain              |                                  | Mineral                | Minimal             |
| * Harderian Gland    |                                  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Islets, Pancreatic |                                  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Liver              |                                  | Basophilic Focus       |                     |
|                      |                                  | Hepatocellular Adenoma |                     |
|                      | [ Basophilic Focus TGLs = 5-12 ] |                        |                     |
| * Ovary              | Follicle                         | Cyst                   |                     |
|                      | [ Cyst TGLs = 3-16 ]             |                        |                     |
| * Pancreas           |                                  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Salivary Glands    |                                  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Stomach, Glandular |                                  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Thymus             |                                  | Hemorrhage             | Mild                |
| * Thyroid Gland      | Follicle                         | Cyst                   |                     |
| * Urinary Bladder    |                                  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus             |                                  | Dilation               | Moderate            |
|                      | Endometrium                      | Hyperplasia            | Cystic, Mild        |
|                      | [ Dilation TGLs = 4-16 ]         |                        |                     |

Animal Note: TGLs 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1178

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Accessory Adrenal Cortical Nodule
    - Hyperplasia
    - Mineral
    - Infiltration Cellular
    - Infiltration Cellular
    - Infiltration Cellular
    - Hyperplasia
    - Infiltration Cellular
    - Pigment
  - Iliac
    - Hyperplasia TGLs = 3-19 ]
    - Infiltration Cellular TGLs = 3-19 ]
    - Pigment TGLs = 4-19 ]
  - Iliac
  - Iliac
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Lymph Node
  - Infiltration Cellular
- \* Lymph Node, Mesenteric
  - Plasma Cell, Moderate
- \* Ovary
  - Note: One ovary examined.
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Salivary Glands
  - Infiltration Cellular

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1178

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1178

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord		Cyst	Squamous, Multiple
* Spleen		Extramedullary Hematopoiesis	Minimal
		Hyperplasia	Lymphoid, Minimal
	[ Extramedullary Hematopoiesis TGLs = 2-12 ]		
	[ Hyperplasia TGLs = 2-12 ]		
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[ Hyperplasia TGLs = 1-16 ]		

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1179

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                      | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                   |                             |                          |                            |

MISSING

- |                          |                    |                     |
|--------------------------|--------------------|---------------------|
| * Lymph Node, Mandibular | * Nerve Trigeminal | * Parathyroid Gland |
|--------------------------|--------------------|---------------------|

OBSERVATIONS

- |                                   |              |  |                     |
|-----------------------------------|--------------|--|---------------------|
| * Adrenal Cortex                  | Subcapsular  | Hyperplasia                            | Mild                |
| * Brain                           |              | Mineral                                | Mild                |
| * Harderian Gland                 |              | Infiltration Cellular                  | Lymphocyte, Minimal |
| * Kidney                          |              | Infarct                                | Minimal             |
|                                   | Interstitial | Infiltration Cellular                  | Lymphocyte, Minimal |
| * Liver                           |              | Eosinophilic Focus                     |                     |
|                                   |              | Hepatocellular Adenoma                 |                     |
|                                   |              | Infiltration Cellular                  | Lymphocyte, Mild    |
|                                   |              | [ Eosinophilic Focus TGLs = 5-12 ]     |                     |
|                                   |              | [ Hepatocellular Adenoma TGLs = 4-12 ] |                     |
| * Ovary                           |              | Cystadenoma                            |                     |
| Note: One ovary examined.         |              |  |                     |
|                                   |              | [ Cystadenoma TGLs = 1-16 ]            |                     |
| * Pancreas                        |              | Infiltration Cellular                  | Lymphocyte, Minimal |
| * Thyroid Gland                   |              |  |                     |
| Note: One thyroid gland examined. |              |  |                     |
| * Urinary Bladder                 |              | Infiltration Cellular                  | Lymphocyte, Mild    |
| * Uterus                          | Endometrium  | Hyperplasia                            | Cystic, Moderate    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1179

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1179

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 2-16 ]

[ Inflammation TGLs = 1-16,2-16,3-16 ]

[ Necrosis TGLs = 1-16,2-16,3-16 ]

---

Inflammation

Necrosis

Chronic Active, Moderate

Moderate

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1180

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Lung    Hemorrhage                                      Mild
- Lymph Node                                      Iliac                                      Hemorrhage                                      Moderate
- Iliac                                      Hyperplasia                                      Lymphoid, Mild
- Renal                                      Hyperplasia                                      Lymphoid, Marked
- [ Hemorrhage    TGLs = 4-19 ]
- [ Hyperplasia    TGLs = 3-19 ]
- [ Hyperplasia    TGLs = 5-20 ]
- \* Lymph Node, Mesenteric                      Hyperplasia                                      Lymphoid, Mild
- Mesentery                                      Fat                                      Necrosis                                      Mild
- [ Necrosis    TGLs = 6-6 ]
- \* Ovary    Cystadenoma
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Spleen    Hyperplasia                                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 2-12 ]
- \* Urinary Bladder                                      Infiltration Cellular                                      Lymphocyte, Minimal
- \* Uterus    Dilation                                      Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1180

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1180

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

Endometrium

Hyperplasia

Cystic, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1181

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                      |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1182

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Trachea

MISSING

- \* Clitoral Gland
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Mild
- \* Harderian GI
  - Note: One Harderian Gland examined.
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Infiltration Cellular Lymphocyte, Mild
- Necrosis TGLs = 5-12 ] Moderate
- \* Lymph Node, Mesenteric Hemorrhage Minimal
- Mesentery Fat Necrosis Mild
- [ Necrosis TGLs = 4-19 ]
- \* Ovary Cyst
- [ Cyst TGLs = 2-16 ]
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Spleen Extramedullary Hematopoiesis Moderate
- [ Extramedullary Hematopoiesis TGLs = 3-12 ]
- \* Thymus Cyst
- \* Thyroid GI

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1182

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1182

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid gland examined.

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Dilation

Hyperplasia

Lymphocyte, Mild

Moderate

Cystic, Moderate

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1183

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach

MISSING

- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Thyroid Gland

OBSERVATIONS

- |                          |                                  |                       |                  |
|--------------------------|----------------------------------|-----------------------|------------------|
| * Adrenal Cortex         | Subcapsular                      | Hyperplasia           | Mild             |
| * Brain                  |                                  | Mineral               | Minimal          |
| * Kidney                 |                                  | Infarct               | Moderate         |
| * Liver                  |                                  | Infiltration Cellular | Lymphocyte, Mild |
| Lymph Node               |                                  | Lymphoma Malignant    |                  |
| [ Lymphoma Malignant     | TGLs = 7-19, 8-6, 10-20, 11-20 ] |                       |                  |
| * Lymph Node, Mesenteric |                                  | Lymphoma Malignant    |                  |
| [ Lymphoma Malignant     | TGLs = 9-22 ]                    |                       |                  |
| * Spleen                 |                                  | Lymphoma Malignant    |                  |
| [ Lymphoma Malignant     | TGLs = 1-12, 2-12, 3-21, 4-21 ]  |                       |                  |
| * Thymus                 |                                  | Lymphoma Malignant    |                  |
| [ Lymphoma Malignant     | TGLs = 12-6 ]                    |                       |                  |
| Tissue NOS               |                                  | Lymphoma Malignant    |                  |
| [ Lymphoma Malignant     | TGLs = 5-16 ]                    |                       |                  |
| * Urinary Bladder        |                                  | Infiltration Cellular | Lymphocyte, Mild |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1183

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1183

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Dilation

Mild

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLs = 6-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1184

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lymph Node, Mesenteric    | * Mammary Gland          | * Nerve Trigeminal         | * Nose                      |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle        | * Skin                     | * Spinal Cord               |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            | * Trachea                   |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                 |  |                          |                     |
|---------------------------------|--|--------------------------|---------------------|
| * Adrenal Cortex                | Subcapsular                                      | Hyperplasia              | Mild                |
| * Bone Marrow                   |  | Hemangiosarcoma          |                     |
| * Brain                         |  | Mineral                  | Minimal             |
| * Harderian Gland               |  | Infiltration Cellular    | Lymphocyte, Mild    |
| * Kidney                        | Interstitium                                     | Infiltration Cellular    | Lymphocyte, Mild    |
|                                 | [ Infiltration Cellular TGLs = 7-13 ]            |                          |                     |
| * Liver                         |  | Hepatocellular Adenoma   |                     |
|                                 | [ Hepatocellular Adenoma TGLs = 11-12 ]          | Hepatocholangiocarcinoma |                     |
|                                 | [ Hepatocholangiocarcinoma TGLs = 10-12, 12-19 ] |                          |                     |
| * Lung                          |  | Infiltration Cellular    | Lymphocyte, Mild    |
| Lymph Node                      | Iliac  | Infiltration Cellular    | Histiocyte, Mild    |
|                                 | [ Infiltration Cellular TGLs = 9-22 ]            |                          |                     |
| Mesentery                       | Fat  | Necrosis                 | Moderate            |
|                                 | [ Necrosis TGLs = 6-20 ]                         |                          |                     |
| * Parathyroid Gland             |  |                          |                     |
| Note: One parathyroid examined. |  |                          |                     |
| * Salivary Glands               |  | Infiltration Cellular    | Lymphocyte, Minimal |
| * Spleen                        |  | Hemangiosarcoma          |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1184

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 667

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1184

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hemangiosarcoma TGLs = 2-12, 3-12, 4-12 ]

\* Thymus

\* Urinary Bladder

\* Uterus

Cyst

Infiltration Cellular

Dilation

Lymphocyte, Moderate

Moderate

[ Dilation TGLs = 5-16 ]

---

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

---

Animal Note: TGL 1 = NST; TGL 8 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1185

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular    Lymphocyte, Mild
- \* Liver    Basophilic Focus    Hepatocellular Adenoma    Multiple
- [ Hepatocellular Adenoma    TGLs = 3-12, 4-12 ]
- Mesentery    Fat    Necrosis    Moderate
- [ Necrosis    TGLs = 2-19 ]
- \* Pituitary Gland    Pars Distalis    Cyst
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Mild
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Moderate
- \* Uterus    Dilatation    Moderate
- Endometrium    Hyperplasia    Cystic, Mild
- [ Dilatation    TGLs = 1-16 ]
- [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1186

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Aorta	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nerve Trigeminal	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Brain Trigeminal Ganglion	* Gallbladder
-----------------------------	---------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Infarct	Mild
	Interstitialium	Infiltration Cellular	Lymphocyte, Mild
* Liver		Eosinophilic Focus	
		Infiltration Cellular	Lymphocyte, Minimal
* Parathyroid Gland			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Thyroid Gland			
Note: One thyroid gland examined.			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
* Uterus		Dilation	Mild

[ Dilation TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1189

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1189

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nerve Trigeminal	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skeletal Muscle
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

**MISSING**

* Brain Trigeminal Ganglion	* Thymus
-----------------------------	----------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Bilateral	Hyperplasia Infiltration Cellular Hypercellularity	Mild Mixed Cell, Mild Mild
* Bone Marrow		Mineral	Minimal
* Brain		Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Interstitial	Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma	TGLs = 5-12, 6-12, 7-12 ]		
Mesentery	Fat	Necrosis	Moderate
[ Necrosis	TGLs = 8-20 ]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma	TGLs = 2-4 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma	TGLs = 3-19 ]		
* Spleen		Extramedullary Hematopoiesis	Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1189

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1189

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 1-12 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

---

Animal Note: TGLs 9, 10, & 11 = NCL

Animal Note: TGLs 4= NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1191

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |   |   |  |   |
|---|---|--|---|
| <ul style="list-style-type: none"> <li>* Adrenal Cortex</li> <li>* Brain</li> <li>* Harderian Gland</li> <li>* Kidney</li> <li>* Liver</li> <li>* Lung</li> <li style="padding-left: 20px;">[ Hemorrhage TGLs = 2-10 ]</li> <li>* Spleen</li> <li>* Thyroid Gland</li> <li style="padding-left: 20px;">Note: One thyroid gland examined.</li> <li>* Urinary Bladder</li> <li>* Uterus</li> <li style="padding-left: 20px;">[ Hyperplasia TGLs = 1-16 ]</li> </ul> | <ul style="list-style-type: none"> <li>Subcapsular</li> <li>Interstitialium</li> <li>Endometrium</li> </ul> | <ul style="list-style-type: none"> <li>Hyperplasia</li> <li>Mineral</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Infiltration Cellular</li> <li>Hemorrhage</li> <li>Hyperplasia</li> <li>Infiltration Cellular</li> <li>Hyperplasia</li> </ul> | <ul style="list-style-type: none"> <li>Mild</li> <li>Minimal</li> <li>Lymphocyte, Minimal</li> <li>Lymphocyte, Mild</li> <li>Lymphocyte, Mild</li> <li>Mild</li> <li>Lymphoid, Mild</li> <li>Lymphocyte, Minimal</li> <li>Cystic, Mild</li> </ul> |
|---|---|--|---|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1192

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain                     | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              |
| * Eye                       | * Gallbladder               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       |
| * Nose                      | * Ovary                     | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                    | * Thyroid Gland             | * Trachea                   |                          |

OBSERVATIONS

- |                                       |             |                       |                       |
|---------------------------------------|-------------|-----------------------|-----------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Mild                  |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Kidney                              |             | Nephropathy           | Chronicprogr, Minimal |
| * Parathyroid GI                      |             |                       |                       |
| Note: One parathyroid gland examined. |             |                       |                       |
| * Pituitary GI                        |             |                       |                       |
| Note: Pars distalis examined.         |             |                       |                       |
| * Salivary Glands                     |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Urinary Bladder                     |             | Infiltration Cellular | Lymphocyte, Minimal   |
| * Uterus                              |             | Dilation              | Marked                |
|                                       | Endometrium | Hyperplasia           | Cystic, Moderate      |

[ Dilation TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1193

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Mild
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Minimal
- \* Liver Hepatocellular Adenoma
- \* Pancreas Infiltration Cellular Lymphocyte, Mild
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Urinary Bladder Angiectasis Mild
- \* Uterus Infiltration Cellular Lymphocyte, Mild
- \* Uterus Dilatation Moderate
- \* Uterus Endometrium Hyperplasia Cystic, Mild

[ Dilatation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1195

TRT#: 6

SEX: Female

DAY ON TEST: 597

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                      |                   |
|--------------------------|-----------------------------|----------------------|-------------------|
| * Adrenal Medulla        | * Aorta                     | * Bone               | * Bone Marrow     |
| * Brain                  | * Brain Trigeminal Ganglion | * Esophagus          | * Eye             |
| * Harderian Gland        | * Heart                     | * Islets, Pancreatic | Lymph Node        |
| * Lymph Node, Mandibular | * Mammary Gland             | * Nose               | * Ovary           |
| * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland    | * Salivary Glands |
| * Skeletal Muscle        | * Skin                      | * Spinal Cord        | * Thymus          |
| * Thyroid Gland          | * Trachea                   |                      |                   |

MISSING

- |                  |                          |                    |
|------------------|--------------------------|--------------------|
| * Clitoral Gland | * Lymph Node, Mesenteric | * Nerve Trigeminal |
|------------------|--------------------------|--------------------|

AUTO PRECLUDES DIAG.

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Pancreas                  | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Urinary Bladder           | * Uterus                 |                            |                           |

OBSERVATIONS

- |                  |             |              |             |
|------------------|-------------|--------------|-------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia  | Mild        |
| * Liver          | Hepatocyte  | Fatty Change | Focal, Mild |
| * Lung           |             | Hemorrhage   | Mild        |
| * Ovary          |             |              |             |

Note: One ovary examined.

- \* Parathyroid GI

Note: One parathyroid examined.

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGLs 1 & 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1196

TRT#: 6

SEX: Female

DAY ON TEST: 533

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Liver
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder

OBSERVATIONS

- |  |                |                               |                      |
|--|----------------|-------------------------------|----------------------|
| * Adrenal Cortex                             | Subcapsular    | Hyperplasia                   | Mild                 |
| * Adren Medulla                              |                |                               |                      |
| Note: One adrenal medulla examined.          |                |                               |                      |
| * Aorta                                      |                | Inflammation                  | Acute, Moderate      |
| Note: Moderate bacteria                      |                |                               |                      |
| * Brain                                      |                | Mineral                       | Mild                 |
| * Heart                                      |                | Bacteria                      |                      |
|  | Myocardium     | Inflammation                  | Chronic Active, Mild |
|  | Valve          | Thrombus                      | Moderate             |
| * Kidney                                     | Interstitium   | Infiltration Cellular         | Lymphocyte, Mild     |
| * Lymph Node, Mandibular                     |                | Hemorrhage                    | Mild                 |
| * Nose                                       | Respirat Epith | Accumulation, Hyaline Droplet | Mild                 |
| * Spleen                                     |                | Extramedullary Hematopoiesis  | Mild                 |
| [ Extramedullary Hematopoiesis TGLs = 2-12 ] |                |                               |                      |
| * Urinary Bladder                            |                | Infiltration Cellular         | Lymphocyte, Minimal  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

ANIMAL ID: 1196

TRT#: 6

SEX: Female

DAY ON TEST: 533

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1196

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

[ Hyperplasia TGLs = 1-16 ]

---

PRIMARY CAUSE OF DEATH

- UNCERTAIN

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1197

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Brain Trigeminal Ganglion |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Liver                     | * Lung                   | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal       | * Nose                      |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland           |
| * Salivary Glands         | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland           | * Trachea                   |                          |                             |

OBSERVATIONS

- |                                     |              |                       |                     |
|-------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular  | Hyperplasia           | Mild                |
| * Adren Medulla                     |              |                       |                     |
| Note: One adrenal medulla examined. |              |                       |                     |
| * Bone Marrow                       |              | Hypercellularity      | Mild                |
| * Brain                             |              | Mineral               | Minimal             |
| * Kidney                            | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| Lymph Node                          | Iliac        | Hyperplasia           | Lymphoid, Mild      |
| * Peripheral Nerve, Sciatic         | Axon         | Degeneration          | Marked              |
| * Urinary Bladder                   |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                            |              | Angiectasis           | Moderate            |
|                                     | Endometrium  | Hyperplasia           | Cystic, Moderate    |
|                                     |              | Mineral               | Mild                |
|                                     |              | Thrombus              | Moderate            |

[ Hyperplasia TGLs = 1-16 ]

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1198

TRT#: 6

SEX: Female

DAY ON TEST: 553

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Esophagus
- \* Nose
- \* Skeletal Muscle
- \* Eye
- \* Parathyroid Gland
- \* Thyroid Gland

MISSING

- \* Clitoral Gland
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Urinary Bladder
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Intestine Large, Rectum
- \* Stomach, Glandular

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Adrenal Medulla                      Leukemia Granulocytic
- \* Aorta                                      Leukemia Granulocytic
- \* Bone Marrow                              Leukemia Granulocytic
- \* Brain                                      Mineral                              Minimal
- \* Harderian Gland                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Heart                                      Leukemia Granulocytic
- Myocardium                              Mineral                              Minimal
- Myocardium                              Necrosis                              Mild
- \* Kidney                                      Leukemia Granulocytic
- [ Leukemia Granulocytic      TGLs = 4-13 ]
- \* Liver                                      Leukemia Granulocytic
- [ Leukemia Granulocytic      TGLs = 1-12, 2-12 ]
- \* Lung                                      Leukemia Granulocytic
- \* Mammary Gland                              Leukemia Granulocytic
- Mesentery                              Leukemia Granulocytic
- Fat                                      Necrosis                              Moderate

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1198

TRT#: 6

SEX: Female

DAY ON TEST: 553

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1198

ORGAN AND ACCOUNTABLE SITE STATUS

[ Necrosis TGLs = 5-19, 6-19 ]

\* Ovary

Leukemia Granulocytic

\* Pancreas

Leukemia Granulocytic

\* Parathyroid G1

Note: One parathyroid gland examined.

\* Pituitary G1

Note: Pars distalis examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Skin

Leukemia Granulocytic

\* Spinal Cord

Leukemia Granulocytic

\* Spleen

Leukemia Granulocytic

[ Leukemia Granulocytic TGLs = 3-12 ]

\* Stomach, Forestomach

Epithelium

Hyperplasia

Focal, Mild

\* Uterus

Leukemia Granulocytic

PRIMARY CAUSE OF DEATH

- Bone Marrow Leukemia Granulocytic

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1200

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Infiltration Cellular Lymphocyte, Mild
- Mesentery Fat Necrosis Moderate
- [ Necrosis TGLs = 2-6 ]
- \* Pancreas Infiltration Cellular Lymphocyte, Minimal
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Spleen Hyperplasia Lymphoid, Mild
- \* Uterus Endometrium Hyperplasia Cystic, Mild
- [ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1202

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                             |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex           | * Adrenal Medulla           | * Aorta                     | * Bone                      |
| * Bone Marrow              | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Kidney                    | * Liver                     |
| * Lung                     | * Lymph Node, Mandibular    | * Mammary Gland             | * Nerve Trigeminal          |
| * Nose                     | * Ovary                     | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland          | * Skin                      | * Spinal Cord               | * Spleen                    |
| * Stomach, Forestomach     | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             |
| * Trachea                  |                             |                             |                             |

OBSERVATIONS

- |                                       |                       |                     |
|---------------------------------------|-----------------------|---------------------|
| * Brain                               | Mineral               | Mild                |
| * Harderian Gland                     | Infiltration Cellular | Lymphocyte, Minimal |
| * Lymph Node, Mesenteric              | Hyperplasia           | Lymphoid, Moderate  |
| * Pancreas                            | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid Gland                   |                       |                     |
| Note: One parathyroid gland examined. |                       |                     |
| * Salivary Glands                     | Infiltration Cellular | Lymphocyte, Mild    |
| * Skeletal Muscle                     | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid Gland                       |                       |                     |
| Note: One thyroid gland examined.     |                       |                     |
| * Urinary Bladder                     | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Dilation              | Marked              |
|                                       | Hyperplasia           | Cystic, Moderate    |
|                                       | Endometrium           |                     |
| [ Dilation TGLs = 1-16 ]              |                       |                     |
| [ Hyperplasia TGLs = 1-16 ]           |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1203

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Brain Trigeminal Ganglion
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Minimal
- [ Nephropathy    TGLs = 3-13 ]                      Nephropathy                                      Chronicprogr, Mild
- \* Liver    Infiltration Cellular                      Lymphocyte, Minimal
- \* Lung    Alveolar/Bronchiolar Adenoma
- Lymph Node    Iliac    Hyperplasia                                      Lymphoid, Mild
- Renal    Hyperplasia                                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 2-19 ]
- [ Hyperplasia    TGLs = 4-20 ]
- \* Lymph Node, Mesenteric                                      Infiltration Cellular                      Histiocyte, Mild
- \* Urinary Bladder    Infiltration Cellular                      Lymphocyte, Mild
- \* Uterus    Dilatation    Moderate
- Endometrium    Hyperplasia                                      Cystic, Mild
- [ Dilatation    TGLs = 1-16 ]
- [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1204

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                        |                             |                           |
|-----------------------------|------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla      | * Aorta                     | * Bone                    |
| * Brain Trigeminal Ganglion | * Clitoral Gland       | * Esophagus                 | * Eye                     |
| * Gallbladder               | * Harderian Gland      | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic   | * Liver                     | * Lung                    |
| * Lymph Node, Mesenteric    | * Mammary Gland        | * Nerve Trigeminal          | * Nose                    |
| * Ovary                     | * Parathyroid Gland    | * Peripheral Nerve, Sciatic | * Pituitary Gland         |
| * Salivary Glands           | * Skeletal Muscle      | * Skin                      | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach | * Stomach, Glandular        | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder      |                             |                           |

MISSING

- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- |                          |                          |                            |
|--------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|--------------------------|----------------------------|

OBSERVATIONS

- |                                       |           |                 |                      |
|---------------------------------------|-----------|-----------------|----------------------|
| * Adren Medulla                       |           |                 |                      |
| Note: One adrenal medulla examined.   |           |                 |                      |
| * Bone Marrow                         |           | Hypocellularity | Mild                 |
| * Brain                               |           | Mineral         | Mild                 |
| * Heart                               |           | Cardiomyopathy  | Minimal              |
| * Kidney                              |           | Nephropathy     | Chronicprogr, Marked |
| [ Nephropathy TGLs = 7-13 ]           |           |                 |                      |
| Mesentery                             | Fat       | Necrosis        | Mild                 |
| [ Necrosis TGLs = 4-19 ]              |           |                 |                      |
| * Pancreas                            | Duct      | Cyst            |                      |
| [ Cyst TGLs = 5-6 ]                   |           |                 |                      |
| * Parathyroid GI                      |           |                 |                      |
| Note: One parathyroid gland examined. |           |                 |                      |
| * Thymus                              |           | Atrophy         | Moderate             |
| * Uterus                              | Arteriole | Degeneration    | Marked               |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1204

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 646

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1204

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Endometrium

Hyperplasia

Cystic, Mild

Thrombus

Moderate

[ Hyperplasia TGLs = 3-16 ]

[ Thrombus TGLs = 2-16 ]

---

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

---

Animal Note: TGLs 1 & 6 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1205

TRT#: 6

SEX: Female

DAY ON TEST: 692

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Lung
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach

MISSING

- \* Gallbladder
- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Spleen

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Moderate
- \* Brain    Mineral                                      Mild
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Liver    Hepatocellular Carcinoma                      [ Hepatocellular Carcinoma                      TGLs = 4-12 ]
- Mesentery                                      Fat                                      Infiltration Cellular                      Lymphocyte, Mild
- Fat                                      Mineral                                      Mild
- \* Pancreas    Infiltration Cellular                      Lymphocyte, Minimal
- \* Parathyroid Gland                                      Note: One parathyroid examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Mild
- Note: Salivary gland is on slide 16.
- \* Thymus    Atrophy                                      Mild
- \* Urinary Bladder                                      Transit Epithe                                      Hyperplasia                                      Diffuse, Moderate
- Infiltration Cellular                                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1205

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 692

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1205

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Dilation

Hyperplasia

Mild

Cystic, Minimal

[ Dilation TGLs = 2-16 ]

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

Animal Note: TGLs 3, 5, & 6 = NCL

Animal Note: TGLs 1= NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1206

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Brain Trigeminal Ganglion |
| * Esophagus               | * Eye                       | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland             |
| * Nerve Trigeminal        | * Nose                      | * Pancreas               | * Parathyroid Gland         |
| * Pituitary Gland         | * Skin                      | * Spinal Cord            | * Stomach, Forestomach      |
| * Thymus                  | * Thyroid Gland             | * Trachea                |                             |

MISSING

- \* Clitoral Gland

OBSERVATIONS

- |                             |                                    |                       |                     |
|-----------------------------|------------------------------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular                        | Hyperplasia           | Mild                |
| * Bone Marrow               |                                    | Lymphoma Malignant    |                     |
| * Brain                     |                                    | Mineral               | Minimal             |
| * Gallbladder               |                                    | Infiltration Cellular | Lymphocyte, Minimal |
| * Harderian Gland           |                                    | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart                     |                                    | Lymphoma Malignant    |                     |
| * Kidney                    |                                    | Infarct               | Minimal             |
|                             | Papilla                            | Lymphoma Malignant    |                     |
|                             | [ Lymphoma Malignant TGLs = 6-13 ] | Mineral               | Mild                |
| * Liver                     |                                    | Lymphoma Malignant    |                     |
|                             | [ Lymphoma Malignant TGLs = 5-12 ] |                       |                     |
| * Lung                      |                                    | Lymphoma Malignant    |                     |
| Mesentery                   | Fat                                | Necrosis              | Moderate            |
| * Ovary                     |                                    | Luteoma               |                     |
| * Peripheral Nerve, Sciatic | Axon                               | Degeneration          | Moderate            |
| * Salivary Glands           |                                    | Lymphoma Malignant    |                     |
| * Skeletal Muscle           |                                    | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen                    | Capsule                            | Fibrosis              | Moderate            |
|                             |                                    | Lymphoma Malignant    |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1206

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1206

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLs = 3-12 ]

\* Stomach, Glandular

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Dilation

Moderate

Endometrium

Hyperplasia

Cystic, Moderate

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1208

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1208

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                          |                             |                          |
|--------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla        | * Aorta                  | * Bone                      | * Bone Marrow            |
| * Brain                  | * Esophagus              | * Eye                       | * Heart                  |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum   | * Islets, Pancreatic     |
| * Kidney                 | * Liver                  | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland          | * Nerve Trigeminal          | * Nose                   |
| * Pancreas               | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Salivary Glands        | * Skeletal Muscle        | * Skin                      | * Spinal Cord            |
| * Stomach, Forestomach   | * Stomach, Glandular     | * Thyroid Gland             | * Trachea                |

**MISSING**

- |                             |                  |         |          |
|-----------------------------|------------------|---------|----------|
| * Brain Trigeminal Ganglion | * Clitoral Gland | * Ovary | * Thymus |
|-----------------------------|------------------|---------|----------|

**AUTO PRECLUDES DIAG.**

- |               |                             |                          |                            |
|---------------|-----------------------------|--------------------------|----------------------------|
| * Gallbladder | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|---------------|-----------------------------|--------------------------|----------------------------|

**OBSERVATIONS**

- |                                 |             |                       |                    |
|---------------------------------|-------------|-----------------------|--------------------|
| * Adrenal Cortex                | Subcapsular | Hyperplasia           | Mild               |
| * Harderian Gland               |             | Infiltration Cellular | Lymphocyte, Mild   |
| Mesentery                       | Fat         | Necrosis              | Mild               |
| [ Necrosis TGLs = 1-19 ]        |             |                       |                    |
| * Parathyroid Gland             |             |                       |                    |
| Note: One parathyroid examined. |             |                       |                    |
| * Spleen                        |             | Hyperplasia           | Lymphoid, Moderate |
| * Urinary Bladder               |             | Infiltration Cellular | Lymphocyte, Mild   |
| * Uterus                        |             | Dilation              | Mild               |
|                                 | Endometrium | Hyperplasia           | Cystic, Mild       |
| [ Dilation TGLs = 2-16 ]        |             |                       |                    |
| [ Hyperplasia TGLs = 2-16 ]     |             |                       |                    |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1209

TRT#: 6

SEX: Female

DAY ON TEST: 511

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                        |                             |
|-----------------------------|----------------------------|------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                 | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland           | * Esophagus            | * Eye                       |
| * Gallbladder               | * Harderian Gland          | * Heart                | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Jejunum | * Islets, Pancreatic   | * Kidney                    |
| * Liver                     | * Lymph Node, Mandibular   | * Mammary Gland        | * Nerve Trigeminal          |
| * Nose                      | * Ovary                    | * Pancreas             | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Salivary Glands          | * Skeletal Muscle      | * Skin                      |
| * Spinal Cord               | * Spleen                   | * Stomach, Forestomach | * Stomach, Glandular        |
| * Thyroid Gland             | * Trachea                  | * Uterus               |                             |

MISSING

- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- |                          |                             |                          |                          |
|--------------------------|-----------------------------|--------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lymph Node, Mesenteric |
|--------------------------|-----------------------------|--------------------------|--------------------------|

OBSERVATIONS

- |                                     |  |                                |                      |
|-------------------------------------|--|--------------------------------|----------------------|
| * Adrenal Cortex                    | Subcapsular  | Hyperplasia                    | Mild                 |
| * Adren Medulla                     |  |                                |                      |
| Note: One adrenal medulla examined. |  |                                |                      |
| * Brain                             |  | Mineral                        | Minimal              |
| * Lung                              |  | Alveolar/Bronchiolar Carcinoma |                      |
|                                     |  | Infiltration Cellular          | Histiocyte, Moderate |
|                                     | [ Alveolar/Bronchiolar Carcinoma TGLs = 1-10, 2-10 ] |                                |                      |
| * Thymus                            |  | Atrophy                        | Mild                 |
|                                     | [ Atrophy TGLs = 3-6 ]                               |                                |                      |
| * Urinary Bladder                   |  | Infiltration Cellular          | Lymphocyte, Minimal  |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Animal Note: TGL 4 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1210

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                   |              |                       |                     |
|-------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                |
| * Brain           |              | Mineral               | Minimal             |
| * Harderian Gland |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney          | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Salivary Glands |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus          | Endometrium  | Dilation              | Mild                |
|                   |              | Hyperplasia           | Cystic, Mild        |
- [ Dilation TGLs = 1-16 ]  
[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1211

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            | * Nerve Trigeminal        |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord            | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                                       |              |                        |                     |
|---------------------------------------|--------------|------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia            | Mild                |
| * Brain                               |              | Mineral                | Minimal             |
| * Gallbladder                         |              | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver                               |              | Hepatocellular Adenoma |                     |
| * Lymph Node, Mesenteric              |              | Hemorrhage             | Mild                |
| [ Hemorrhage TGLs = 3-15 ]            |              |                        |                     |
| * Parathyroid Gland                   |              |                        |                     |
| Note: One parathyroid gland examined. |              |                        |                     |
| * Spleen                              |              | Hyperplasia            | Lymphoid, Mild      |
| [ Hyperplasia TGLs = 2-12 ]           |              |                        |                     |
| * Urinary Bladder                     |              | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus                              |              | Dilation               | Moderate            |
| [ Dilation TGLs = 1-16 ]              |              |                        |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1212

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- Necrosis                                      Mild
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Liver    Hemorrhage                                      Mild
- \* Lymph Node, Mandibular                                      Hyperplasia                                      Lymphoid, Mild
- Mesentery                                      Fat                                      Necrosis                                      Moderate
- [ Necrosis    TGLs = 2-19 ]
- \* Ovary    Cyst    Histiocyte, Moderate
- Infiltration Cellular                                      Mild
- Mineral    Mild
- \* Parathyroid Gl
- Note: One parathyroid gland examined.
- \* Salivary Glands                                      Infiltration Cellular                                      Lymphocyte, Mild
- \* Stomach, Glandular                                      Infiltration Cellular                                      Lymphocyte, Mild
- \* Thyroid Gland                                      Infiltration Cellular                                      Lymphocyte, Mild
- \* Urinary Bladder                                      Infiltration Cellular                                      Lymphocyte, Mild
- \* Uterus    Dilatation    Moderate
- Endometrium                                      Hyperplasia                                      Cystic, Mild
- [ Dilatation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1213

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nerve Trigeminal
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skin
- \* Stomach, Glandular

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Harderian Gland    Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular                      Lymphocyte, Mild
- \* Ovary    Cystadenoma
- [ Cystadenoma    TGLs = 2-16 ]
- \* Pancreas    Infiltration Cellular                      Lymphocyte, Minimal
- \* Parathyroid GI  
    Note: One parathyroid gland examined.
- \* Pituitary Gland    Pars Distalis    Hyperplasia                      Focal, Mild
- \* Salivary Glands    Infiltration Cellular                      Lymphocyte, Mild
- \* Urinary Bladder    Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus    Dilatation    Marked
- [ Dilatation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1214

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Harderian Gland
- \* Kidney
- \* Ovary
- \* Pancreas
- \* Salivary Glands
- \* Urinary Bladder
- \* Uterus
- Subcapsular
- Interstitialium
- Endometrium
- Hyperplasia
- Infiltration Cellular
- Infarct
- Infiltration Cellular
- Tubulostromal Adenoma
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Dilation
- Hyperplasia
- Mild
- Lymphocyte, Mild
- Minimal
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Lymphocyte, Minimal
- Lymphocyte, Mild
- Mild
- Cystic, Moderate

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1216

TRT#: 6

SEX: Female

DAY ON TEST: 752

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Harderian Gland                              Adenoma                                      Infiltration Cellular                      Lymphocyte, Minimal
- [ Adenoma    TGLs = 4-5 ]
- \* Kidney    Interstitium                              Infiltration Cellular                      Lymphocyte, Minimal
- Mesentery                                      Fat    Necrosis                                      Moderate
- [ Necrosis    TGLs = 3-19 ]
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus    Endometrium                              Hyperplasia                              Cystic, Moderate
- [ Hyperplasia    TGLs = 1-16, 2-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1217

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                      | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             | * Trachea                  |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                       |             |                       |                     |
|---------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Mild                |
| * Brain                               |             | Mineral               | Minimal             |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              |             | Infarct               | Minimal             |
| * Parathyroid GI                      |             |                       |                     |
| Note: One parathyroid gland examined. |             |                       |                     |
| * Salivary Glands                     |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Skeletal Muscle                     |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid GI                          |             |                       |                     |
| Note: One thyroid gland examined.     |             |                       |                     |
| * Urinary Bladder                     |             | Angiectasis           | Mild                |
|                                       |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 2-16 ]           |             |                       |                     |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1218

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- |                  |                    |                     |
|------------------|--------------------|---------------------|
| * Clitoral Gland | * Nerve Trigeminal | * Parathyroid Gland |
|------------------|--------------------|---------------------|

OBSERVATIONS

- |                             |               |                        |                     |
|-----------------------------|---------------|------------------------|---------------------|
| * Adrenal Cortex            | Subcapsular   | Hyperplasia            | Mild                |
| * Brain                     |               | Mineral                | Mild                |
| * Harderian Gland           |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                    | Interstitium  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver                     |               | Hepatocellular Adenoma | Multiple            |
| Mesentery                   | Fat           | Necrosis               | Mild                |
| [ Necrosis TGLs = 1-6 ]     |               |                        |                     |
| * Peripheral Nerve, Sciatic | Axon          | Degeneration           | Mild                |
| * Pituitary Gland           | Pars Distalis | Adenoma                |                     |
| [ Adenoma TGLs = 2-4 ]      |               |                        |                     |
| * Salivary Glands           |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Skeletal Muscle           |               | Infiltration Cellular  | Lymphocyte, Mild    |
| * Urinary Bladder           |               | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus                    |               | Dilation               | Mild                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1219

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                             |                            |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain                   | * Brain Trigeminal Ganglion | * Esophagus                 | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Mammary Gland            |
| * Nose                    | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skeletal Muscle         | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            |
| * Trachea                 |                             |                             |                            |

MISSING

- |                  |                    |
|------------------|--------------------|
| * Clitoral Gland | * Nerve Trigeminal |
|------------------|--------------------|

OBSERVATIONS

- |                      |  |                        |                       |
|----------------------|--|------------------------|-----------------------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia            | Mild                  |
| * Harderian Gland    |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Islets, Pancreatic |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Kidney             | Interstitium                           | Infiltration Cellular  | Lymphocyte, Mild      |
|                      |  | Nephropathy            | Chronicprogr, Minimal |
| * Liver              |  | Hepatocellular Adenoma |                       |
|                      | [ Hepatocellular Adenoma TGLs = 2-12 ] |                        |                       |
| * Ovary              |  | Cystadenoma            |                       |
| * Pancreas           |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Parathyroid GI     |  |                        |                       |
|                      | Note: One parathyroid gland examined.  |                        |                       |
| * Salivary Glands    |  | Infiltration Cellular  | Lymphocyte, Mild      |
| * Thyroid GI         |  |                        |                       |
|                      | Note: One thyroid gland examined.      |                        |                       |
| * Urinary Bladder    |  | Angiectasis            | Mild                  |
|                      |  | Infiltration Cellular  | Lymphocyte, Minimal   |
| * Uterus             | Endometrium                            | Hyperplasia            | Cystic, Moderate      |
|                      | [ Hyperplasia TGLs = 1-16 ]            |                        |                       |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

**ANIMAL ID:** 1220

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 752

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1220

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Brain Trigeminal Ganglion      \* Nerve Trigeminal

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Minimal
	[ Hepatocellular Adenoma TGLs = 3-6 ]		
* Lung		Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Iliac	Infiltration Cellular	Mixed Cell, Mild
	[ Infiltration Cellular TGLs = 4-19 ]		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Minimal
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Skeletal Muscle		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	[ Dilation TGLs = 2-16 ]		
	[ Hyperplasia TGLs = 2-16 ]		

Animal Note: TGLs 1 & 5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1223

TRT#: 6

SEX: Female

DAY ON TEST: 644

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lung
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Liver Hepatocellular Adenoma Multiple
- [ Hepatocellular Adenoma TGLs = 9-12 ]
- [ Necrosis TGLs = 8-12, 10-12, 11-12, 12-12 ]
- \* Pancreas Duct Cyst
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Spleen Hemangiosarcoma
- [ Hemangiosarcoma TGLs = 4-12, 5-12 ]
- \* Uterus Endometrium Hyperplasia Cystic, Moderate
- [ Hyperplasia TGLs = 3-16 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

- Spleen Hemangiosarcoma

Animal Note: TGLs 1, 6, & 7 = NCL; TGL 2 = NST

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1224

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach

MISSING

- \* Harderian Gland
- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Lymph Node, Mesenteric

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Mild
- \* Kidney      Interstitium      Infiltration Cellular      Lymphocyte, Mild
- \* Liver           Infiltration Cellular      Lymphocyte, Minimal
- Lymph Node           Hemorrhage      Moderate
- Iliac      Hyperplasia      Lymphoid, Moderate
- [ Hemorrhage    TGLs = 3-19, 4-19 ]
- [ Hyperplasia    TGLs = 4-19 ]
- \* Salivary Glands           Infiltration Cellular      Lymphocyte, Minimal
- \* Thyroid Gland      Follicular Cel      Adenoma
- \* Urinary Bladder           Infiltration Cellular      Lymphocyte, Minimal
- \* Uterus                Dilation      Mild
- Endometrium      Hyperplasia      Cystic, Minimal
- [ Dilation    TGLs = 1-16 ]

Animal Note: TGL 2 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1225

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland           | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Mammary Gland             | * Nose                      | * Ovary                     | * Pancreas               |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder           |                             |                             |                          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |  |                                |                     |
|---------------------------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                                    | Hyperplasia                    | Mild                |
| * Brain                               |  | Mineral                        | Minimal             |
| * Clitoral GI                         |  |                                |                     |
| Note: One clitoral gland examined.    |  |                                |                     |
| * Kidney                              | Interstitial                                   | Infiltration Cellular          | Lymphocyte, Minimal |
| * Liver                               |  | Hepatocellular Adenoma         |                     |
|                                       | [ Hepatocellular Adenoma TGLs = 2-12 ]         |                                |                     |
| * Lung                                |  | Alveolar/Bronchiolar Carcinoma |                     |
|                                       | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-10 ] |                                |                     |
| * Parathyroid GI                      |  |                                |                     |
| Note: One parathyroid gland examined. |  |                                |                     |
| * Salivary Glands                     |  | Infiltration Cellular          | Lymphocyte, Minimal |
| * Thyroid GI                          |  |                                |                     |
| Note: One thyroid gland examined.     |  |                                |                     |
| * Uterus                              | Endometrium                                    | Hyperplasia                    | Cystic, Moderate    |
|                                       | [ Hyperplasia TGLs = 1-16 ]                    |                                |                     |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1226

TRT#: 6

SEX: Female

DAY ON TEST: 720

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1226

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Pars distalis examined.

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 5-12 ]

\* Thymus

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Lymphoma Malignant

Thrombus

Marked

[ Thrombus TGLs = 7-16 ]

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

Animal Note: TGL 1 = NST; TGL 4 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1227

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nerve Trigeminal          |
| * Nose                      | * Ovary                     | * Pancreas               | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                      |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular        |
| * Thyroid Gland             | * Trachea                   |                          |                             |

MISSING

- |                          |          |
|--------------------------|----------|
| * Lymph Node, Mandibular | * Thymus |
|--------------------------|----------|

INSUFFICIENT TISSUE

- \* Salivary Glands

OBSERVATIONS

- |                                   |                 |                       |                     |
|-----------------------------------|-----------------|-----------------------|---------------------|
| * Adrenal Cortex                  | Subcapsular     | Hyperplasia           | Mild                |
| * Bone Marrow                     |                 | Leukemia Granulocytic |                     |
| * Brain                           |                 | Mineral               | Minimal             |
| * Kidney                          |                 | Infarct               | Mild                |
|                                   | Interstitialium | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver                           |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Lung                            |                 | Leukemia Granulocytic |                     |
| Lymph Node                        | Iliac           | Hyperplasia           | Lymphoid, Mild      |
| [ Hyperplasia TGLs = 2-19 ]       |                 |                       |                     |
| Mesentery                         | Fat             | Necrosis              | Moderate            |
| [ Necrosis TGLs = 3-6 ]           |                 |                       |                     |
| * Thyroid GI                      |                 |                       |                     |
| Note: One thyroid gland examined. |                 |                       |                     |
| * Urinary Bladder                 |                 | Angiectasis           | Mild                |
| * Uterus                          |                 | Dilation              | Moderate            |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1227

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1227

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Endometrium

Hyperplasia

Cystic, Mild

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1228

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone Marrow            | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Mammary Gland          | * Nerve Trigeminal          |
| * Nose                      | * Ovary                     | * Pancreas               | * Parathyroid Gland         |
| * Peripheral Nerve, Sciatic | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   |                          |                             |

MISSING

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |                                    |  |                                      |                          |
|------------------------------------|--|--------------------------------------|--------------------------|
| * Adrenal Cortex                   | Subcapsular                            | Hyperplasia<br>Infiltration Cellular | Mild<br>Mixed Cell, Mild |
| * Adren Medulla                    |  |                                      |                          |
| Note: One adrenal medulla examined |  |                                      |                          |
| * Bone                             |  | Fibro-Osseous Lesion                 | Mild                     |
|                                    | [ Fibro-Osseous Lesion TGLs = 7-19 ]   |                                      |                          |
| * Brain                            |  | Mineral                              | Minimal                  |
| * Kidney                           |  | Infarct                              | Mild                     |
|                                    | Interstitium                           | Infiltration Cellular                | Lymphocyte, Minimal      |
| * Liver                            |  | Hepatocellular Adenoma               |                          |
|                                    | Hepatocyte                             | Hypertrophy                          | Mild                     |
|                                    | [ Hepatocellular Adenoma TGLs = 5-12 ] |                                      |                          |
| * Lung                             |  | Congestion                           | Mild                     |
| Mesentery                          | Fat                                    | Necrosis                             | Mild                     |
|                                    | [ Necrosis TGLs = 2-20 ]               |                                      |                          |
| * Ovary                            |  |                                      |                          |
| Note: One ovary examined.          |  |                                      |                          |
| * Pituitary Gland                  | Pars Distalis                          | Adenoma                              |                          |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1228

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 5 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1228

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Adenoma TGLs = 8-4 ]

\* Salivary Glands

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Lymphocyte, Mild

Cystic, Moderate

[ Hyperplasia TGLs = 4-16 ]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

Animal Note: TGLs 1, 3, & 6 = NCL

Animal Note: TGL 9= NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1229

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach

MISSING

- \* Adrenal Medulla
- \* Nerve Trigeminal
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Mild
- \* Kidney    Infarct                                      Mild
- \* Spleen    Hyperplasia                                      Lymphoid, Minimal
- [ Hyperplasia    TGLs = 2-12 ]
- \* Thyroid Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Urinary Bladder                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus    Endometrium                                      Hyperplasia                                      Cystic, Moderate
- [ Hyperplasia    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1230

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                   | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Trachea                   |                             |                          |                            |

MISSING

- |                     |                   |
|---------------------|-------------------|
| * Parathyroid Gland | * Urinary Bladder |
|---------------------|-------------------|

OBSERVATIONS

- |                             |               |                       |                     |
|-----------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                     |               | Mineral               | Minimal             |
| * Harderian Gland           |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                    | Interstitial  | Infiltration Cellular | Lymphocyte, Mild    |
| Lymph Node                  | Iliac         | Hyperplasia           | Lymphoid, Minimal   |
| [ Hyperplasia TGLs = 3-20 ] |               |                       |                     |
| * Lymph Node, Mesenteric    |               | Infiltration Cellular | Histiocyte, Mild    |
| Mesentery                   | Fat           | Necrosis              | Mild                |
| [ Necrosis TGLs = 2-19 ]    |               |                       |                     |
| * Ovary                     |               | Cyst                  |                     |
| [ Cyst TGLs = 1-16 ]        |               |                       |                     |
| * Pituitary Gland           | Pars Distalis | Angiectasis           | Moderate            |
|                             | Pars Distalis | Hyperplasia           | Focal, Mild         |
| * Salivary Glands           |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Thyroid Gland             |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    | Endometrium   | Hyperplasia           | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1231

TRT#: 6

SEX: Female

DAY ON TEST: 499

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Eye
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Bone Marrow
- \* Intestine Large, Colon
- \* Kidney
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spleen
- \* Clitoral Gland
- \* Intestine Large, Rectum
- \* Liver
- \* Nose
- \* Skeletal Muscle
- \* Thyroid Gland
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Trachea

MISSING

- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Pancreas
- \* Intestine Large, Cecum
- \* Stomach, Forestomach
- \* Intestine Small, Ileum
- \* Stomach, Glandular
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Bone [ Osteosarcoma TGLs = 6-3 ] Osteosarcoma
- \* Brain Mineral Mild
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Heart [ Osteosarcoma TGLs = NCL ] Osteosarcoma Metastatic (Bone)
- \* Lung [ Osteosarcoma TGLs = 4-10 ] Osteosarcoma Metastatic (Bone)
- \* Lymph Node, Mesenteric Hemorrhage Mild
- [ Hemorrhage TGLs = 1-15 ]
- \* Salivary Glands Infiltration Cellular Lymphocyte, Minimal
- \* Thymus Osteosarcoma Metastatic (Bone)
- \* Thyroid GI Note: One thyroid gland examined.
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal
- \* Uterus Endometrium Hyperplasia Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1231

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 499

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1231

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 7-16 ]

---

**PRIMARY CAUSE OF DEATH** - Lung Osteosarcoma Bone

---

Animal Note: TGLs 2 & 5 = NCL; TGL 3 = NST

---



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1232

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1232

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 2-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1234

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain                     | * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                |
| * Eye                       | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Peripheral Nerve, Sciatic | * Skeletal Muscle           | * Skin                   | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            |
| * Trachea                   |                             |                          |                            |

MISSING

- |               |                          |         |
|---------------|--------------------------|---------|
| * Gallbladder | * Lymph Node, Mesenteric | * Ovary |
|---------------|--------------------------|---------|

INSUFFICIENT TISSUE

- \* Thymus

OBSERVATIONS

- |                                       |                 |                       |                     |
|---------------------------------------|-----------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular     | Hyperplasia           | Mild                |
| * Clitoral GI                         |                 |                       |                     |
| Note: One clitoral gland examined.    |                 |                       |                     |
| * Harderian Gland                     |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              |                 | Infarct               | Mild                |
|                                       | Interstitialium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |                 | Infiltration Cellular | Lymphocyte, Minimal |
| Mesentery                             | Fat             | Necrosis              | Moderate            |
| [ Necrosis TGLs = 2-19 ]              |                 |                       |                     |
| * Parathyroid GI                      |                 |                       |                     |
| Note: One parathyroid gland examined. |                 |                       |                     |
| * Pituitary Gland                     | Pars Distalis   | Hyperplasia           | Focal, Mild         |
| * Salivary Glands                     |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder                     |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium     | Hyperplasia           | Cystic, Moderate    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1234

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1234

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1235

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Bone
- \* Eye
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spinal Cord
- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Skin
- \* Trachea

MISSING

- \* Adrenal Cortex
- \* Ovary
- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder

OBSERVATIONS

- \* Aorta
  - \* Brain
  - \* Harderian Gland
  - \* Heart
  - \* Kidney
  - \* Liver
  - \* Lung
  - \* Lymph Node, Mesenteric Mesentery
  - \* Pancreas
  - \* Parathyroid GI
- Papilla
- Renal Tubule
- [ Vacuolization Cytoplasmic TGLs = 5-13 ]
- [ Hepatocellular Carcinoma TGLs = 7-12, 8-21, 9-12 ]
- [ Histiocytic Sarcoma TGLs = 7-12 ]
- [ Hepatocellular Carcinoma TGLs = 13-10 ]
- [ Histiocytic Sarcoma TGLs = 14-14, 2-16, 3-16, 6-20, 12-22 ]
- Note: One parathyroid gland examined.

Degeneration

Mineral

Infiltration Cellular

Cardiomyopathy

Histiocytic Sarcoma

Mineral

Vacuolization Cytoplasmic

Hepatocellular Carcinoma

Histiocytic Sarcoma

Hepatocellular Carcinoma

Histiocytic Sarcoma

Histiocytic Sarcoma

Histiocytic Sarcoma

Marked

Mild

Lymphocyte, Minimal

Mild

Mild

Moderate

Multiple

Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1235

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 5 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1235

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
* Skeletal Muscle		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLs = 4-19 ]		
* Spleen		Extramedullary Hematopoiesis	Mild
* Thymus		Histiocytic Sarcoma	
	[ Histiocytic Sarcoma TGLs = 11-6 ]		
* Thyroid Gland	Follicle	Cyst	
* Urinary Bladder		Histiocytic Sarcoma	
		Infiltration Cellular	Lymphocyte, Mild
* Uterus		Adenoma	
		Dilation	Moderate
	[ Adenoma TGLs = 1-16 ]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 10 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1236

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                   |  |                        |                     |
|-------------------|--|------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain           |  | Mineral                | Minimal             |
| * Harderian Gland |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Liver           |  | Hepatocellular Adenoma |                     |
|                   | [ Hepatocellular Adenoma TGLs = 3-20 ] | Infiltration Cellular  | Lymphocyte, Minimal |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Urinary Bladder |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus          |  | Dilation               | Mild                |
|                   | [ Dilation TGLs = 1-16 ]               |                        |                     |

Animal Note: TGLS 2 = NCL

Animal Note: TGLS 4 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1237

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Liver                   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal         | * Nose                    |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Spinal Cord               | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            | * Trachea                 |

MISSING

- |             |                          |
|-------------|--------------------------|
| * Esophagus | * Lymph Node, Mandibular |
|-------------|--------------------------|

INSUFFICIENT TISSUE

- \* Parathyroid Gland

OBSERVATIONS

- |   |  |                              |                       |
|---|--|------------------------------|-----------------------|
| * Adrenal Cortex                                  | Subcapsular                                  | Hyperplasia                  | Mild                  |
| * Brain   |  | Mineral                      | Minimal               |
| * Harderian Gland                                 |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Islets, Pancreatic                              |  | Infiltration Cellular        | Lymphocyte, Moderate  |
| Note: The lymphocytic infiltrate is on slide #15. |  |                              |                       |
| * Kidney  | Interstitialium                              | Infiltration Cellular        | Lymphocyte, Minimal   |
|   |  | Nephropathy                  | Chronicprogr, Minimal |
| * Lung  |  | Alveolar/Bronchiolar Adenoma |                       |
|   | [ Alveolar/Bronchiolar Adenoma TGLs = 2-10 ] |                              |                       |
| * Ovary   |  | Cyst                         |                       |
| * Skeletal Muscle                                 |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Urinary Bladder                                 |  | Infiltration Cellular        | Lymphocyte, Mild      |
| * Uterus  |  | Dilation                     | Moderate              |
|   | Endometrium                                  | Hyperplasia                  | Cystic, Mild          |
|   | [ Dilation TGLs = 1-16 ]                     |                              |                       |
|   | [ Hyperplasia TGLs = 1-16 ]                  |                              |                       |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1238

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nerve Trigeminal          | * Nose                   | * Pancreas                 |
| * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          |
| * Skeletal Muscle         | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                 |                             |                          |                            |

MISSING

- \* Brain Trigeminal Ganglion

INSUFFICIENT TISSUE

- \* Ovary

OBSERVATIONS

- |                                       |                             |                       |                     |
|---------------------------------------|-----------------------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                 | Hyperplasia           | Mild                |
| * Brain                               |                             | Mineral               | Minimal             |
| * Kidney                              | Interstitial                | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |                             | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                      |                             |                       |                     |
| Note: One parathyroid gland examined. |                             |                       |                     |
| * Urinary Bladder                     |                             | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium                 | Dilation              | Mild                |
|                                       |                             | Hyperplasia           | Cystic, Moderate    |
|                                       | [ Dilation TGLs = 2-16 ]    |                       |                     |
|                                       | [ Hyperplasia TGLs = 2-16 ] |                       |                     |

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1239

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal
- \* Uterus

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Adren Medulla
- Note: One adrenal medulla examined.
- \* Brain                                      Mineral                                      Mild
- \* Gallbladder                              Cyst
- [ Cyst    TGLs = 1-12 ]                      Epithelium                      Hyperplasia                      Diffuse, Mild
- \* Kidney                                      Infarct                                      Minimal
- Interstitialium                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver                                      Oval Cell                                      Hyperplasia                      Marked
- \* Ovary
- Note: One ovary examined.
- \* Pancreas                                      Acinus                                      Atrophy                                      Marked
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands                              Infiltration Cellular                      Lymphocyte, Minimal
- \* Urinary Bladder                              Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1240

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1240

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1241

TRT#: 6

SEX: Female

DAY ON TEST: 692

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Aorta
- \* Esophagus
- \* Intestine Large, Rectum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Bone Marrow
- \* Heart
- \* Kidney
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach

MISSING

- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mesenteric
- \* Gallbladder
- \* Pancreas
- \* Intestine Small, Ileum
- \* Islets, Pancreatic

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Duodenum
- \* Urinary Bladder

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver    Hepatocellular Adenoma
- \* Lung    Congestion                                      Mild
- [ Congestion    TGLs = 4-10 ]
- Mesentery                                      Fat                                      Necrosis                                      Mild
- [ Necrosis    TGLs = 6-19 ]
- \* Peripheral Nerve, Sciatic                      Axon                                      Degeneration                      Moderate
- \* Pituitary Gland
- Note: Pars distalis examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Thymus    Atrophy                                      Moderate
- \* Uterus    Endometrium                                      Hyperplasia                      Cystic, Mild
- [ Hyperplasia    TGLs = 2-16, 3-16 ]

PRIMARY CAUSE OF DEATH                      - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1241

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 692

**DOSE:** 5 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1241

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 1 & 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1242

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland             |
| * Nose                      | * Ovary                     | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Trachea                   |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |               |                       |                     |
|---------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                               |               | Mineral               | Minimal             |
| * Harderian Gland                     |               | Adenoma               |                     |
|                                       |               | Infiltration Cellular | Lymphocyte, Mild    |
| [ Adenoma TGLs = 3-5 ]                |               |                       |                     |
| * Kidney                              | Interstitium  | Infarct               | Minimal             |
|                                       |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver                               |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Lymph Node, Mesenteric              |               | Hemorrhage            | Moderate            |
| * Pancreas                            |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid GI                      |               |                       |                     |
| Note: One parathyroid gland examined. |               |                       |                     |
| * Pituitary Gland                     | Pars Distalis | Angiectasis           | Mild                |
| * Salivary Glands                     |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Thyroid Gland                       |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium   | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]           |               |                       |                     |

Animal Note: TGLs 2 & 4 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1243

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |               |                       |                     |
|---------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                               |               | Mineral               | Minimal             |
| * Harderian Gland                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium  | Infiltration Cellular | Lymphocyte, Minimal |
| * Lymph Node, Mesenteric              |               | Hyperplasia           | Lymphoid, Mild      |
| Mesentery                             | Fat           | Necrosis              | Moderate            |
| [ Necrosis TGLs = 1-19 ]              |               |                       |                     |
| * Pancreas                            | Acinus        | Adenoma               |                     |
| [ Adenoma TGLs = 3-6 ]                |               |                       |                     |
| * Parathyroid Gland                   |               |                       |                     |
| Note: One parathyroid gland examined. |               |                       |                     |
| * Pituitary Gland                     | Pars Distalis | Angiectasis           | Mild                |
| * Salivary Glands                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |               | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              |               | Dilation              | Mild                |
|                                       | Endometrium   | Hyperplasia           | Cystic, Mild        |
| [ Dilation TGLs = 2-16 ]              |               |                       |                     |
| [ Hyperplasia TGLs = 2-16 ]           |               |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1244

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Esophagus

OBSERVATIONS

- |                   |              |                       |                     |
|-------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                |
| * Kidney          | Interstitial | Infiltration Cellular | Lymphocyte, Mild    |
| * Salivary Glands |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus          |              | Dilation              | Moderate            |
|                   | Endometrium  | Hyperplasia           | Cystic, Moderate    |

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1245

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Thymus
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mesenteric

OBSERVATIONS

- \* Bone Marrow
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 3-19.1RC ]
- \* Lung
  - Alveolar Epith
- \* Mammary Gland
  - Duct
- \* Parathyroid Gland
  - Note: One parathyroid gland examined.
- \* Pituitary Gland
  - Pars Distalis
- \* Skin
  - [ Ulcer TGLs = 4-20, 5-21, 6-22 ]
- \* Spleen
  - [ Extramedullary Hematopoiesis TGLs = 2-12 ]
- \* Uterus
  - [ Dilation TGLs = 1-16 ]

- Hypercellularity
- Mineral
- Infiltration Cellular
- Nephropathy
- Hepatocellular Adenoma
- Hyperplasia
- Dilation
- Adenoma
- Ulcer
- Extramedullary Hematopoiesis
- Dilation
- Moderate
- Minimal
- Lymphocyte, Minimal
- Chronicprogr, Minimal
- Focal, Minimal
- Mild
- Marked
- Moderate
- Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1246

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Clitoral Gland            | * Esophagus                 | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                      | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                     | * Ovary                   |
| * Pancreas                  | * Peripheral Nerve, Sciatic | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | * Trachea                   |                            |                           |

MISSING

- |                             |          |
|-----------------------------|----------|
| * Brain Trigeminal Ganglion | * Thymus |
|-----------------------------|----------|

INSUFFICIENT TISSUE

- |                     |                   |
|---------------------|-------------------|
| * Parathyroid Gland | * Pituitary Gland |
|---------------------|-------------------|

OBSERVATIONS

- |   |                 |                       |                     |
|---|-----------------|-----------------------|---------------------|
| * Adrenal Cortex<br>Note: One adrenal cortex examined.    | Subcapsular     | Hyperplasia           | Mild                |
| * Adren Medulla<br>Note: One adrenal medulla examined.    |                 |                       |                     |
| * Brain   |                 | Mineral               | Minimal             |
| * Harderian Gland   |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney  | Interstitialium | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid GI<br>Note: One parathyroid gland examined. |                 |                       |                     |
| * Salivary Glands   |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder   |                 | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus  |                 | Dilation              | Mild                |
|   | Endometrium     | Hyperplasia           | Cystic, Mild        |

[ Dilation TGLs = 2-16 ]

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1247

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                             |              |                       |                     |
|-----------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                     |              | Mineral               | Minimal             |
| * Harderian Gland           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                    | Renal Tubule | Dilation              | Mild                |
| Mesentery                   | Fat          | Necrosis              | Mild                |
| [ Necrosis TGLs = 1-19 ]    |              |                       |                     |
| * Urinary Bladder           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    | Endometrium  | Dilation              | Moderate            |
|                             |              | Hyperplasia           | Cystic, Moderate    |
| [ Dilation TGLs = 2-16 ]    |              |                       |                     |
| [ Hyperplasia TGLs = 2-16 ] |              |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1248

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Thymus

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                                      Minimal
- \* Harderian Gland                      Adenocarcinoma
- [ Adenocarcinoma    TGLs = 3-5 ]
- \* Kidney                                      Nephropathy                                      Chronicprogr, Minimal
- \* Liver                                      Hepatocellular Adenoma
- \* Lung                                      Hemorrhage                                      Mild
- \* Ovary                                      Cyst
- Note: One ovary examined.
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Spleen                                      Hyperplasia                                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 2-12 ]
- \* Urinary Bladder                      Infiltration Cellular
- \* Uterus                                      Dilatation                                      Moderate
- [ Dilatation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1249

TRT#: 6

SEX: Female

DAY ON TEST: 739

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular    Lymphocyte, Minimal
- Lymph Node    Iliac    Hemorrhage    Marked
- [ Hemorrhage    TGLs = 3-19, 4-19 ]
- Mesentery    Fat    Necrosis    Moderate
- [ Necrosis    TGLs = 2-6 ]
- \* Ovary
- Note: One ovary examined.
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Minimal
- \* Uterus    Dilatation    Marked
- [ Dilatation    TGLs = 1-16 ]

Animal Note: TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1250

TRT#: 6

SEX: Female

DAY ON TEST: 746

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Eye                    | * Gallbladder               |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Lung                      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland             |
| * Trachea                   |                             |                          |                             |

MISSING

- |             |                     |
|-------------|---------------------|
| * Esophagus | * Parathyroid Gland |
|-------------|---------------------|

OBSERVATIONS

- |                                   |              |                       |                     |
|-----------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                  | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                           |              | Mineral               | Minimal             |
| * Islets, Pancreatic              |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                          |              | Infarct               | Mild                |
|                                   | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                           |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Pancreas                        |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands                 |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen                          |              | Hyperplasia           | Lymphoid, Minimal   |
| * Thyroid GI                      |              |                       |                     |
| Note: One thyroid gland examined. |              |                       |                     |
| * Urinary Bladder                 |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                          | Endometrium  | Hyperplasia           | Cystic, Mild        |

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1251

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                             |                           |
|-----------------------------|--------------------------|-----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                      | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                       | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nerve Trigeminal       | * Nose                      | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Salivary Glands         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord               | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    | * Thyroid Gland           |
| * Trachea                   |                          |                             |                           |

MISSING

- \* Clitoral Gland

OBSERVATIONS

- |                                       |               |                       |                     |
|---------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                               |               | Mineral               | Mild                |
| * Harderian Gland                     |               | Adenoma               |                     |
|                                       |               | Infiltration Cellular | Lymphocyte, Minimal |
| [ Adenoma TGLs = 3-5 ]                |               |                       |                     |
| * Kidney                              | Interstitial  | Infiltration Cellular | Lymphocyte, Minimal |
|                                       |               | Metaplasia            | Osseous             |
| Mesentery                             | Fat           | Necrosis              | Moderate            |
| [ Necrosis TGLs = 2-6 ]               |               |                       |                     |
| * Parathyroid Gland                   |               |                       |                     |
| Note: One parathyroid gland examined. |               |                       |                     |
| * Pituitary Gland                     | Pars Distalis | Adenoma               |                     |
| [ Adenoma TGLs = 4-4 ]                |               |                       |                     |
| * Urinary Bladder                     |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium   | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ]           |               |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1252

TRT#: 6

SEX: Female

DAY ON TEST: 740

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                | * Eye                     |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                      | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                      | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland             | * Trachea                  |                           |

MISSING

- |               |                    |
|---------------|--------------------|
| * Gallbladder | * Nerve Trigeminal |
|---------------|--------------------|

OBSERVATIONS

- |                                       |              |                              |                     |
|---------------------------------------|--------------|------------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia                  | Mild                |
| * Brain                               |              | Mineral                      | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular        | Lymphocyte, Minimal |
| Mesentery                             | Fat          | Necrosis                     | Moderate            |
| [ Necrosis TGLs = 2-19 ]              |              |                              |                     |
| * Parathyroid Gland                   |              |                              |                     |
| Note: One parathyroid gland examined. |              |                              |                     |
| * Salivary Glands                     |              | Infiltration Cellular        | Lymphocyte, Minimal |
| * Spleen                              |              | Extramedullary Hematopoiesis | Mild                |
| * Urinary Bladder                     |              | Infiltration Cellular        | Lymphocyte, Minimal |
| * Uterus                              | Endometrium  | Hyperplasia                  | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ]           |              |                              |                     |

Animal Note: TGLs 3-5 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1253

TRT#: 6

SEX: Female

DAY ON TEST: 745

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Kidney                    | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal          | * Nose                     |
| * Ovary                     | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                   |                            |

OBSERVATIONS

- |                     |  |                        |                     |
|---------------------|--|------------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain             |  | Mineral                | Minimal             |
| * Harderian Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver             |  | Hepatocellular Adenoma |                     |
|                     | [ Hepatocellular Adenoma TGLs = 4-12 ] |                        |                     |
| Lymph Node          | Mediastinal                            | Hyperplasia            | Lymphoid, Minimal   |
|                     | [ Hyperplasia TGLs = 5-20 ]            |                        |                     |
| Mesentery           | Fat                                    | Necrosis               | Mild                |
|                     | [ Necrosis TGLs = 3-19 ]               |                        |                     |
| * Ovary             |  |                        |                     |
|                     | Note: One ovary examined.              |                        |                     |
| * Pancreas          |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Parathyroid Gland |  |                        |                     |
|                     | Note: One parathyroid gland examined.  |                        |                     |
| * Pituitary Gland   | Pars Distalis                          | Hyperplasia            | Focal, Mild         |
|                     | [ Hyperplasia TGLs = 6-4 ]             |                        |                     |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Spleen            |  | Hyperplasia            | Lymphoid, Mild      |
| * Urinary Bladder   |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Uterus            |  | Angiectasis            | Mild                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1253

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1253

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Angiectasis TGLs = 2-16 ]

[ Dilation TGLs = 1-16 ]

Endometrium

Dilation

Hyperplasia

Moderate

Cystic, Moderate

---

Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1254

TRT#: 6

SEX: Female

DAY ON TEST: 751

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain	* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nerve Trigeminal	* Nose	* Ovary
* Pancreas	* Peripheral Nerve, Sciatic	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mesenteric	* Parathyroid Gland
--------------------------	---------------------

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Kidney		Infarct	Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLs = 4-19 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLs = 2-6 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLs = 5-4 ]			
* Thyroid GI			
Note: One thyroid gland examined.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLs = 1-16 ]			

Animal Note: TGL 3 = NCL

Animal Note: TGL 6 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1256

TRT#: 6

SEX: Female

DAY ON TEST: 739

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Trachea

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Minimal
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular    Lymphocyte, Minimal
- \* Liver    Hepatocellular Adenoma    Infiltration Cellular    Lymphocyte, Minimal
- [ Hepatocellular Adenoma    TGLs = 3-19 ]
- \* Lung    Alveolar/Bronchiolar Adenoma
- \* Ovary    Cyst
- [ Cyst    TGLs = 1-16.1RC ]
- \* Pancreas    Infiltration Cellular    Lymphocyte, Minimal
- \* Parathyroid Gland    Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular    Lymphocyte, Minimal
- \* Thyroid Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Uterus    Endometrium    Hyperplasia    Cystic, Moderate
- [ Hyperplasia    TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1257

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Intestine Large, Rectum	* Nerve Trigeminal	* Thymus	* Urinary Bladder
---------------------------	--------------------	----------	-------------------

AUTO PRECLUDES DIAG.

\* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Intestine Small, Ileum		Histiocytic Sarcoma	
[ Histiocytic Sarcoma	TGLs = 11-15 ]		
* Kidney	Interstitialium	Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Iliac	Hemorrhage	Marked
	Bronchial	Hemorrhage	Mild
		Histiocytic Sarcoma	
[ Hemorrhage	TGLs = 7-20, 8-20 ]		
[ Hemorrhage	TGLs = 10-21 ]		
[ Histiocytic Sarcoma	TGLs = 6-19, 7-20, 9-21 ]		
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma	TGLs = 12-15 ]		
* Ovary		Teratoma Benign	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1257

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1257

ORGAN AND ACCOUNTABLE SITE STATUS

[ Teratoma Benign TGLs = 3-16 ]

\* Pancreas

Histiocytic Sarcoma

\* Parathyroid Gland

Note: One parathyroid gland examined.

\* Peripheral Nerve, Sciatic

Axon

Degeneration

Mild

\* Spleen

Extramedullary Hematopoiesis

Moderate

Histiocytic Sarcoma

[ Extramedullary Hematopoiesis TGLs = 4-12 ]

[ Histiocytic Sarcoma TGLs = 4-12 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLs = 2-16 ]

PRIMARY CAUSE OF DEATH - Bone Marrow Histiocytic Sarcoma

Animal Note: TGL 1 = NST; TGL 5 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1258

TRT#: 6

SEX: Female

DAY ON TEST: 739

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Hepatocellular Carcinoma TGLs = 3-12 ] Hepatocellular Carcinoma
- \* Lung Alveolar/Bronchiolar Adenoma
- \* Mesentery Fat Necrosis Moderate
- \* Pancreas Infiltration Cellular Lymphocyte, Minimal
- \* Parathyroid GI Note: One parathyroid gland examined.
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Thyroid Gland Infiltration Cellular Lymphocyte, Mild
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Minimal
- \* Uterus Dilatation TGLs = 1-16 ] Dilatation Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1259

TRT#: 6

SEX: Female

DAY ON TEST: 716

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Eye
- \* Intestine Small, Duodenum
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Aorta
- \* Gallbladder
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Trachea
- \* Bone
- \* Intestine Large, Colon
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Rectum
- \* Nose
- \* Spinal Cord

MISSING

- \* Clitoral Gland
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Adren Medulla
  - Note: One adrenal medulla examined.
- \* Bone Marrow Lymphoma Malignant
- \* Brain Lymphoma Malignant Mineral Mild
- \* Esophagus Lymphoma Malignant
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Heart Lymphoma Malignant
- \* Intestine Large, Cecum Lymphoma Malignant
- \* Islets, Pancreatic Lymphoma Malignant
- \* Kidney Lymphoma Malignant
- \* Liver Lymphoma Malignant
- \* Lung Lymphoma Malignant
- Lymph Node Lymphoma Malignant
  - [ Lymphoma Malignant TGLs = 6-20, 7-19, 8-21, 9-22 ]
- \* Lymph Node, Mandibular Lymphoma Malignant
- \* Ovary Cyst Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1259

TRT#: 6

SEX: Female

DAY ON TEST: 716

DOSE: 5 W/kg

DISP: Natural Death

HISTO: 12-5117-1259

ORGAN AND ACCOUNTABLE SITE STATUS

[ Cyst TGLs = 1-16 ]

\* Pancreas

Lymphoma Malignant

\* Parathyroid Gland

Note: One parathyroid gland examined.

\* Salivary Glands

Lymphoma Malignant

\* Skeletal Muscle

Lymphoma Malignant

\* Skin

Lymphoma Malignant

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 4-12 ]

\* Stomach, Glandular

Lymphoma Malignant

\* Thymus

Lymphoma Malignant

\* Thyroid Gland

Lymphoma Malignant

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Dilation

Moderate

Endometrium

Hyperplasia

Cystic, Mild

Lymphoma Malignant

[ Dilation TGLs = 2-16 ]

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

Animal Note: TGL 3 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1260

TRT#: 6

SEX: Female

DAY ON TEST: 750

DOSE: 5 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Kidney
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Harderian Gland    Infiltration Cellular    Lymphocyte, Minimal
- \* Islets, Pancreatic    Infiltration Cellular    Lymphocyte, Minimal
- \* Liver    Fatty Change    Moderate
- Infiltration Cellular    Lymphocyte, Mild
- [ Fatty Change    TGLs = 3-12 ]
- \* Mesentery    Fat    Necrosis    Moderate
- [ Necrosis    TGLs = 2-19, 4-20 ]
- \* Ovary    Follicle    Cyst
- \* Pancreas    Infiltration Cellular    Lymphocyte, Minimal
- \* Parathyroid GI    Note: One parathyroid gland examined.
- \* Skeletal Muscle    Infiltration Cellular    Lymphocyte, Mild
- \* Thyroid GI    Note: One thyroid gland examined.
- \* Urinary Bladder    Infiltration Cellular    Lymphocyte, Mild
- \* Uterus    Endometrium    Hyperplasia    Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1260

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 5 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1260

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1366

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Accessory Adrenal Cortical Nodule
    - Hyperplasia
    - Mineral
    - Infiltration Cellular
  - Interstitial
    - Infiltration Cellular
    - Hepatocellular Adenoma
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
  - [ Hepatocellular Adenoma TGLs = 3-19, 4-12, 5-12 ]
  - Infiltration Cellular
- \* Lymph Node, Mesenteric
- \* Ovary
  - Note: One ovary examined,
  - Histiocyte, Mild
- \* Salivary Glands
  - Infiltration Cellular
  - Lymphocyte, Mild
- \* Spleen
  - Hyperplasia
  - Lymphoid, Mild
- \* Thymus
  - Cyst
- \* Urinary Bladder
  - Infiltration Cellular
  - Lymphocyte, Mild
- \* Uterus
  - Dilation
  - Moderate
  - Endometrium
    - Hyperplasia
    - Cystic, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1366

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1366

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1368

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain    Mineral                                      Mild
- \* Harderian Gland                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Liver    Infiltration Cellular                      Lymphocyte, Minimal
- \* Ovary    Cystadenoma
- [ Cystadenoma    TGLs = 2-16 ]
- \* Parathyroid Gland                                      Note: One parathyroid gland examined.
- \* Skeletal Muscle    Infiltration Cellular                      Lymphocyte, Minimal
- \* Spleen    Hyperplasia                                      Lymphoid, Marked
- [ Hyperplasia    TGLs = 3-12 ]
- \* Urinary Bladder    Infiltration Cellular                      Lymphocyte, Mild
- \* Uterus    Dilatation                                      Moderate
- [ Dilatation    TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1369

TRT#: 8

SEX: Female

DAY ON TEST: 744

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea

MISSING

- \* Adrenal Medulla
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic

OBSERVATIONS

- \* Adrenal Cortex
  - \* Brain
  - \* Harderian Gland
  - \* Kidney
  - \* Parathyroid Gland
    - Note: One parathyroid gland examined.
  - \* Pituitary Gland
    - Note: Pars distalis examined.
  - \* Urinary Bladder
  - \* Uterus
- [ Hyperplasia TGLs = 1-16 ]

Subcapsular  
Artery, Meninges

Hyperplasia  
Inflammation  
Mineral  
Infiltration Cellular  
Infiltration Cellular

Interstitialium

Endometrium

Mild  
Chronic Active, Mild  
Mild  
Lymphocyte, Minimal  
Lymphocyte, Minimal

Infiltration Cellular  
Hyperplasia

Lymphocyte, Minimal  
Cystic, Moderate

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1370

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                      | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   |                          |                             |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                       |                |  |                            |
|---------------------------------------|----------------|--|----------------------------|
| * Adrenal Cortex                      | Subcapsular    | Hyperplasia<br>Vacuolization Cytoplasmic | Moderate<br>Focal, Minimal |
| * Brain                               |                | Mineral                                  | Minimal                    |
| * Harderian Gland                     |                | Infiltration Cellular                    | Lymphocyte, Minimal        |
| * Kidney                              | Interstitium   | Infiltration Cellular                    | Lymphocyte, Minimal        |
| * Liver                               |                | Fatty Change                             | Mild                       |
| Mesentery                             | Fat            | Necrosis                                 | Mild                       |
| [ Necrosis TGLs = 1-19 ]              |                |  |                            |
| * Ovary                               | Granulosa Cell | Hyperplasia                              | Moderate                   |
| * Pancreas                            |                | Infiltration Cellular                    | Lymphocyte, Minimal        |
| * Parathyroid GI                      |                |  |                            |
| Note: One parathyroid gland examined. |                |  |                            |
| * Salivary Glands                     |                | Infiltration Cellular                    | Lymphocyte, Mild           |
| * Urinary Bladder                     |                | Infiltration Cellular                    | Lymphocyte, Mild           |
| * Uterus                              | Endometrium    | Hyperplasia                              | Cystic, Moderate           |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1371

TRT#: 8

SEX: Female

DAY ON TEST: 739

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thymus
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Eye

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Harderian Gland                      Adenoma
- [ Adenoma    TGLs = 9-5 ]
- \* Kidney                                  Interstitium                      Infiltration Cellular              Lymphocyte, Mild
- \* Lung                                      Hemorrhage                      Mild
- [ Hemorrhage    TGLs = 7-10 ]
- [ Inflammation    TGLs = 7-10 ]
- \* Lymph Node, Mesenteric              Hyperplasia                      Lymphoid, Mild
- [ Hyperplasia    TGLs = 4-15 ]
- \* Ovary                                      Hemangioma
- [ Hemangioma    TGLs = 2-16 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Pituitary Gland                      Pars Distalis                      Cyst
- \* Salivary Glands                      Infiltration Cellular              Lymphocyte, Mild
- \* Spleen                                      Hyperplasia                      Lymphoid, Marked
- [ Hyperplasia    TGLs = 3-12 ]
- \* Urinary Bladder                      Infiltration Cellular              Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1371

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1371

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Dilation

Hyperplasia

Moderate

Cystic, Mild

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

---

Animal Note: TGLs 5, 6, 8, & 10 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1372

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thyroid Gland             | * Trachea                  |

MISSING

- \* Thymus

OBSERVATIONS

- |                                     |              |                       |                     |
|-------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular  | Hyperplasia           | Mild                |
| * Adren Medulla                     |              |                       |                     |
| Note: One adrenal medulla examined. |              |                       |                     |
| * Brain                             |              | Mineral               | Minimal             |
| * Harderian Gland                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                            |              | Infarct               | Minimal             |
|                                     | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                             |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                   |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                            |              | Angiectasis           | Marked              |
|                                     |              | Dilation              | Moderate            |
|                                     | Endometrium  | Hyperplasia           | Cystic, Mild        |
| [ Angiectasis TGLs = 2-16.1RC ]     |              |                       |                     |
| [ Dilation TGLs = 1-16 ]            |              |                       |                     |
| [ Hyperplasia TGLs = 1-16 ]         |              |                       |                     |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1374

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 502

**DOSE:** 10 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1374

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Lung Osteosarcoma Bone

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1375

TRT#: 8

SEX: Female

DAY ON TEST: 484

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Rectum
- \* Lung
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Colon
- \* Kidney
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mesenteric
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Intestine Small, Duodenum
- \* Intestine Small, Jejunum

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular Hemorrhage Minimal
  - [ Hemorrhage TGLs = 6-7 ] Hyperplasia Mild
- \* Harderian Gland
  - Infiltration Cellular Lymphocyte, Minimal
- \* Heart
  - Cardiomyopathy Mild
- \* Liver
  - Centrilobular Infiltration Cellular Lymphocyte, Mild
  - [ Infiltration Cellular TGLs = 3-12 ] Necrosis Moderate
- \* Mammary Gland
  - [ Adenocarcinoma TGLs = 5-19 ] Adenocarcinoma
- Mesentery
  - Fat Inflammation Chronic Active, Moderate
  - [ Inflammation TGLs = 1-16 ]
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Salivary Glands
  - Infiltration Cellular Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1375

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 484

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1375

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Cyst

Cystic, Mild

Endometrium

Hyperplasia

[ Cyst TGLs = 2-16 ]

---

PRIMARY CAUSE OF DEATH

- UNCERTAIN

---

Animal Note: TGL 4 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1377

TRT#: 8

SEX: Female

DAY ON TEST: 685

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1377

ORGAN AND ACCOUNTABLE SITE STATUS

* Skeletal Muscle		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 15-22 ]		
* Spinal Cord		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 4-12 ]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
	[ Hyperplasia TGLs = 15-22 ]		
* Thymus		Lymphoma Malignant	
* Thyroid Gland		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
	[ Lymphoma Malignant TGLs = 3-13 ]		
* Uterus	Endometrium	Dilation	Moderate
		Hyperplasia	Cystic, Moderate
		Lymphoma Malignant	
	[ Dilation TGLs = 1-16 ]		
	[ Hyperplasia TGLs = 1-16 ]		

PRIMARY CAUSE OF DEATH - Kidney Lymphoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Lung Lymphoma Malignant

Animal Note: TGL 2 = NST; TGL 12 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1378

TRT#: 8

SEX: Female

DAY ON TEST: 679

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                        |                          |                     |                             |
|------------------------|--------------------------|---------------------|-----------------------------|
| * Adrenal Medulla      | * Bone                   | * Bone Marrow       | * Brain Trigeminal Ganglion |
| * Clitoral Gland       | * Esophagus              | * Eye               | * Intestine Large, Rectum   |
| * Lung                 | * Lymph Node, Mandibular | * Mammary Gland     | * Nerve Trigeminal          |
| * Nose                 | * Ovary                  | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland      | * Skeletal Muscle        | * Skin              | * Spinal Cord               |
| * Stomach, Forestomach | * Stomach, Glandular     | * Thyroid Gland     | * Trachea                   |

MISSING

- |               |                          |          |
|---------------|--------------------------|----------|
| * Gallbladder | * Lymph Node, Mesenteric | * Thymus |
|---------------|--------------------------|----------|

AUTO PRECLUDES DIAG.

- |                            |                          |                             |                          |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic     | * Kidney                    | * Pancreas               |
| * Spleen                   | * Urinary Bladder        |                             |                          |

OBSERVATIONS

- |   |             |                        |                  |
|---|-------------|------------------------|------------------|
| * Adrenal Cortex<br>Note: Adrenal glands on slide 16. | Subcapsular | Hyperplasia            | Mild             |
| * Aorta   |             | Thrombus               | Moderate         |
| * Brain   |             | Mineral                | Mild             |
| * Clitoral GI<br>Note: Clitoral glands on slide 15.   |             |                        |                  |
| * Harderian Gland                                     |             | Infiltration Cellular  | Lymphocyte, Mild |
| * Heart   | Myocardium  | Bacteria               |                  |
|   |             | Inflammation           | Acute, Moderate  |
|   |             | Thrombus               | Moderate         |
| * Liver   |             | Fatty Change           | Mild             |
|   |             | Hepatocellular Adenoma |                  |
| [ Fatty Change TGLs = 3-12 ]                          |             |                        |                  |
| Mesentery   | Fat         | Infiltration Cellular  | Lymphocyte, Mild |
| * Ovary<br>Note: One ovary examined.                  |             |                        |                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1378

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 679

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1378

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Pancreas

Note: Pancreas is on slide 14.

\* Parathyroid GI

Note: One parathyroid examined.

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Thyroid GI

Note: One thyroid examined.

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: TGLs 1, 2, & 4 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1379

TRT#: 8

SEX: Female

DAY ON TEST: 739

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain                     | * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                |
| * Eye                       | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Kidney                    | * Liver                  | * Lung                     |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                   | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Salivary Glands        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- |               |                   |                          |                     |
|---------------|-------------------|--------------------------|---------------------|
| * Gallbladder | * Harderian Gland | * Lymph Node, Mesenteric | * Parathyroid Gland |
|---------------|-------------------|--------------------------|---------------------|

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                  |                                     |                     |                 |
|------------------|-------------------------------------|---------------------|-----------------|
| * Adrenal Cortex | Subcapsular                         | Hyperplasia         | Mild            |
| * Ovary          | Follicle                            | Cyst                |                 |
|                  | [ Cyst TGLs = 1-16 ]                |                     |                 |
| * Spleen         |                                     | Histiocytic Sarcoma |                 |
|                  | [ Histiocytic Sarcoma TGLs = 3-12 ] |                     |                 |
| * Thyroid GI     |                                     |                     |                 |
|                  | Note: One thyroid gland examined.   |                     |                 |
| * Uterus         | Endometrium                         | Hyperplasia         | Cystic, Minimal |
|                  | [ Hyperplasia TGLs = 2-16 ]         |                     |                 |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1380

TRT#: 8

SEX: Female

DAY ON TEST: 740

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular    | * Mammary Gland             | * Nose                   | * Pancreas                 |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Salivary Glands        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- |                    |                     |
|--------------------|---------------------|
| * Nerve Trigeminal | * Parathyroid Gland |
|--------------------|---------------------|

OBSERVATIONS

- |                             |             |                       |                     |
|-----------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular | Hyperplasia           | Mild                |
| * Brain                     |             | Mineral               | Minimal             |
| * Harderian Gland           |             | Infiltration Cellular | Lymphocyte, Minimal |
| Lymph Node                  | Bronchial   | Hyperplasia           | Lymphoid, Mild      |
| [ Hyperplasia TGLs = 2-19 ] |             |                       |                     |
| * Lymph Node, Mesenteric    |             | Hemorrhage            | Minimal             |
| * Ovary                     |             | Cystadenoma           |                     |
| * Spleen                    |             | Hyperplasia           | Lymphoid, Mild      |
| * Urinary Bladder           |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                    | Endometrium | Hyperplasia           | Cystic, Moderate    |
| [ Hyperplasia TGLs = 1-16 ] |             |                       |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1381

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pancreas
- \* Skin
- \* Stomach, Glandular

MISSING

- \* Brain Trigeminal Ganglion
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain                                      Mineral                              Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver                                      Infiltration Cellular                      Lymphocyte, Mild
- Lymph Node                              Mediastinal                      Hyperplasia                      Lymphoid, Mild
  - [ Hyperplasia    TGLs = 4-19 ]
- \* Lymph Node, Mesenteric                      Hyperplasia                      Lymphoid, Moderate
  - [ Hyperplasia    TGLs = 2-15 ]
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Mild
- \* Thyroid Gland                              Note: One thyroid gland examined.
- \* Urinary Bladder                              Angiectasis                              Mild
- Infiltration Cellular                      Lymphocyte, Mild
- \* Uterus                                      Dilation                              Moderate
- Endometrium                              Hyperplasia                      Cystic, Moderate
  - [ Dilation    TGLs = 1-16 ]
  - [ Hyperplasia    TGLs = 1-16 ]

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1382

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1382

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                            |                             |                             |                             |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow               |
| * Brain                    | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Islets, Pancreatic        | * Liver                     | * Lung                      |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                      |
| * Ovary                    | * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Skin                     | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach      |
| * Stomach, Glandular       | * Thymus                    | * Thyroid Gland             | * Trachea                   |

**MISSING**

- |                    |                   |
|--------------------|-------------------|
| * Nerve Trigeminal | * Pituitary Gland |
|--------------------|-------------------|

**OBSERVATIONS**

- |                   |              |                       |                     |
|-------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia           | Mild                |
| * Harderian Gland |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney          | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Salivary Glands |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Skeletal Muscle |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus          | Endometrium  | Hyperplasia           | Cystic, Mild        |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1383

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Nose
- \* Skin
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Spinal Cord
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach

MISSING

- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Brain Mineral Minimal
- \* Harderian Gland Infiltration Cellular Lymphocyte, Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Moderate
- \* Liver Hepatocellular Adenoma TGLs = 2-12 ] Hepatocellular Adenoma
- \* Lung Hemorrhage Mild
- \* Pancreas Infiltration Cellular Lymphocyte, Mild
- \* Pituitary Gland Pars Distalis Hyperplasia Focal, Mild
- \* Salivary Glands Infiltration Cellular Lymphocyte, Mild
- \* Spleen Hyperplasia Lymphoid, Mild
- \* Thyroid Gland Follicular Cel Adenoma
- Note: One thyroid gland examined.
- \* Urinary Bladder Infiltration Cellular Lymphocyte, Moderate
- \* Uterus Dilation Moderate
- Endometrium Hyperplasia Cystic, Mild
- [ Dilation TGLs = 1-16 ]
- [ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1384

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Nose
- \* Pancreas
- \* Peripheral Nerve, Sciatic
- \* Skeletal Muscle
- \* Skin
- \* Spinal Cord
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Clitoral Gland
- \* Lymph Node, Mandibular
- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Pituitary Gland

OBSERVATIONS

- \* Bone Marrow
- Hypercellularity
- Mild
- \* Brain
- Mineral
- Minimal
- \* Harderian Gland
- Adenoma
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Kidney
- Nephropathy
- Chronicprogr, Minimal
- \* Liver
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- [ Hepatocellular Adenoma TGLs = 4-12 ]
- [ Hepatocellular Carcinoma TGLs = 5-20 ]
- \* Lung
- Hemorrhage
- Minimal
- Mesentery
- Fat
- Necrosis
- Mild
- [ Necrosis TGLs = 1-19 ]
- \* Ovary
- Follicle
- Cyst
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Mild
- \* Spleen
- Extramedullary Hematopoiesis
- Mild
- [ Extramedullary Hematopoiesis TGLs = 3-12 ]
- \* Thyroid GI
- Note: One thyroid gland examined.
- \* Urinary Bladder
- Infiltration Cellular
- Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1384

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1384

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Dilation

Moderate

[ Dilation TGLs = 2-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1385

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Aorta                     | * Bone                   | * Bone Marrow              | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric    |
| * Mammary Gland             | * Nose                   | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  |                             |

MISSING

- |                   |                    |
|-------------------|--------------------|
| * Adrenal Medulla | * Nerve Trigeminal |
|-------------------|--------------------|

OBSERVATIONS

- |                                    |               |                       |                     |
|------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex                   | Subcapsular   | Hyperplasia           | Mild                |
| * Brain                            |               | Mineral               | Mild                |
| * Clitoral Gl                      |               |                       |                     |
| Note: One clitoral gland examined. |               |                       |                     |
| * Harderian Gland                  |               | Adenoma               |                     |
| [ Adenoma TGLs = 5-5 ]             |               |                       |                     |
| * Kidney                           | Interstitial  | Infiltration Cellular | Lymphocyte, Minimal |
| Lymph Node                         | Pancreatic    | Hyperplasia           | Lymphoid, Marked    |
| [ Hyperplasia TGLs = 4-6 ]         |               |                       |                     |
| * Ovary                            | Follicle      | Cyst                  |                     |
| * Pancreas                         |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Pituitary Gland                  | Pars Distalis | Hyperplasia           | Focal, Moderate     |
| * Salivary Glands                  |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen                           |               | Hyperplasia           | Lymphoid, Moderate  |
| [ Hyperplasia TGLs = 3-12 ]        |               |                       |                     |
| * Thymus                           |               | Cyst                  |                     |
| * Urinary Bladder                  |               | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                           |               | Dilation              | Mild                |
|                                    | Endometrium   | Hyperplasia           | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1385

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1385

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 2-16 ]

[ Hyperplasia TGLs = 2-16 ]

---

Animal Note: TGL 1 = NCL

---



Experiment Number: 20105 - 75  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
Time Report Requested: 13:47:55  
First Dose M/F: 06/18/12 / 06/18/12  
Lab: IIT

ANIMAL ID: 1386

TRT#: 8

SEX: Female

DAY ON TEST: 533

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nerve Trigeminal
* Nose	* Ovary	* Pancreas	* Peripheral Nerve, Sciatic
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Brain Trigeminal Ganglion	* Clitoral Gland	* Parathyroid Gland	* Thymus
-----------------------------	------------------	---------------------	----------

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Jejunum
---------------	-----------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Mineral	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Fatty Change	Minimal
* Lung		Congestion	Moderate
		Hemorrhage	Moderate
	[ Congestion TGLs = 2-10 ]		
	[ Hemorrhage TGLs = 2-10 ]		
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Dilation	Moderate
	[ Dilation TGLs = 1-16 ]		

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1387

TRT#: 8

SEX: Female

DAY ON TEST: 740

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Clitoral Gland            | * Esophagus                 | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                      | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | * Trachea                   |                            |                           |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                                       |               |                        |                     |
|---------------------------------------|---------------|------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular   | Hyperplasia            | Mild                |
| * Brain                               |               | Mineral                | Minimal             |
| * Harderian Gland                     |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney                              | Interstitium  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Liver                               |               | Hepatocellular Adenoma |                     |
| * Parathyroid Gland                   |               |                        |                     |
| Note: One parathyroid gland examined. |               |                        |                     |
| * Pituitary Gland                     | Pars Distalis | Hyperplasia            | Focal, Minimal      |
| * Salivary Glands                     |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Thymus                              |               | Hemorrhage             | Minimal             |
| * Urinary Bladder                     |               | Infiltration Cellular  | Lymphocyte, Minimal |
| * Uterus                              | Endometrium   | Hyperplasia            | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1388

TRT#: 8

SEX: Female

DAY ON TEST: 635

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Nose
- \* Stomach, Forestomach
- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Rectum
- \* Ovary
- \* Bone
- \* Esophagus
- \* Islets, Pancreatic
- \* Pituitary Gland
- \* Brain
- \* Eye
- \* Nerve Trigeminal
- \* Spinal Cord

MISSING

- \* Pancreas
- \* Parathyroid Gland
- \* Stomach, Glandular
- \* Thyroid Gland

AUTO PRECLUDES DIAG.

- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Intestine Large, Colon
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Bone Marrow Lymphoma Malignant
- \* Harderian Gland Lymphoma Malignant
- \* Heart Lymphoma Malignant
- \* Kidney Lymphoma Malignant
- \* Liver Fatty Change Moderate
- \* Lung Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 7-10 ]
- Lymph Node Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 10-20 ]
- \* Lymph Node, Mandibular Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 2-9, 3-9 ]
- \* Lymph Node, Mesenteric Lymphoma Malignant
- \* Mammary Gland Lymphoma Malignant
- Mesentery Lymphoma Malignant
- [ Lymphoma Malignant TGLs = 4-19 ]
- \* Peripheral Nerve, Sciatic Lymphoma Malignant
- \* Pituitary Gland

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1388

TRT#: 8

SEX: Female

DAY ON TEST: 635

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1388

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Pars distalis examined.

* Salivary Glands		Lymphoma Malignant
* Skeletal Muscle		Lymphoma Malignant
* Skin		Lymphoma Malignant
* Spleen		Lymphoma Malignant
	[ Lymphoma Malignant TGLs = 6-12, 8-12 ]	
* Thymus		Lymphoma Malignant
	[ Lymphoma Malignant TGLs = 9-6 ]	
* Trachea		Lymphoma Malignant
* Urinary Bladder		Lymphoma Malignant
* Uterus		Lymphoma Malignant

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

Animal Note: TGL 1 = NST

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1390

TRT#: 8

SEX: Female

DAY ON TEST: 223

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Lung
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Mammary Gland
- \* Salivary Glands
- \* Urinary Bladder
- \* Bone Marrow
- \* Harderian Gland
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Skeletal Muscle
- \* Uterus
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Liver
- \* Nose
- \* Skin

MISSING

- \* Esophagus
- \* Pituitary Gland
- \* Lymph Node, Mandibular
- \* Thymus
- \* Lymph Node, Mesenteric
- \* Thyroid Gland
- \* Parathyroid Gland
- \* Trachea

AUTO PRECLUDES DIAG.

- \* Adrenal Cortex
- \* Intestine Small, Duodenum
- \* Pancreas
- \* Adrenal Medulla
- \* Intestine Small, Ileum
- \* Spleen
- \* Gallbladder
- \* Intestine Small, Jejunum
- \* Stomach, Forestomach
- \* Intestine Large, Cecum
- \* Kidney
- \* Stomach, Glandular

OBSERVATIONS

- \* Brain
- \* Ovary
- [ Cyst TGLs = 1-16 ]
- Follicle
- Mineral
- Cyst
- Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: TGL 2 = NST; TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1391

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Brain Trigeminal Ganglion
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Aorta  
    Note: The aorta examined was attached to the heart.
- \* Brain                                      Mineral                                      Minimal
- \* Kidney                                      Infarct                                      Minimal
- \* Liver                                      Infiltration Cellular                      Lymphocyte, Mild
- \* Lung                                      Alveolar/Bronchiolar Carcinoma                      Infiltration Cellular                      Histiocyte, Marked
- [ Alveolar/Bronchiolar Carcinoma    TGLs = 1-10 ]
- [ Infiltration Cellular            TGLs = 1-10 ]
- \* Lymph Node, Mesenteric                      Infiltration Cellular                      Histiocyte, Mild
- \* Ovary                                      Cyst                                      Cystic, Mild
- [ Cyst            TGLs = 2-16 ]
- \* Salivary Glands                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                                      Endometrium                      Hyperplasia                      Cystic, Mild

PRIMARY CAUSE OF DEATH            - Lung    Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1392

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex Subcapsular Hyperplasia Mild
- \* Bone Marrow Hypercellularity Moderate
- \* Brain Mineral Minimal
- \* Kidney Interstitium Infiltration Cellular Lymphocyte, Mild
- \* Liver Nephropathy Chronicprogr, Minimal
- \* Liver Extramedullary Hematopoiesis Marked
- \* Lymph Node Infiltration Cellular Lymphocyte, Mild
- \* Lymph Node Iliac Hyperplasia Lymphoid, Mild
- \* Lymph Node Renal Hyperplasia Lymphoid, Mild
- \* Lymph Node Iliac Infiltration Cellular Mixed Cell, Moderate
- \* Lymph Node Iliac Infiltration Cellular Mixed Cell, Moderate
- [ Hyperplasia TGLs = 3-19 ]
- [ Hyperplasia TGLs = 5-20 ]
- [ Infiltration Cellular TGLs = 3-19 ]
- [ Infiltration Cellular TGLs = 5-20 ]
- \* Lymph Node, Mandibular Hemorrhage Mild
- \* Ovary Cyst
- [ Cyst TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1392

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1392

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Salivary Glands

\* Spleen

[ Extramedullary Hematopoiesis TGLs = 4-12 ]

\* Urinary Bladder

\* Uterus

Infiltration Cellular

Extramedullary Hematopoiesis

Infiltration Cellular

Dilation

Infiltration Cellular

Lymphoma Malignant

Lymphocyte, Minimal

Marked

Lymphocyte, Mild

Moderate

Lymphocyte, Mild

[ Dilation TGLs = 1-16 ]

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1393

TRT#: 8

SEX: Female

DAY ON TEST: 622

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                           |                          |
|-----------------------------|-----------------------------|---------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                    | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus               | * Eye                    |
| * Heart                     | * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Islets, Pancreatic        | * Liver                     | * Lung                    | * Lymph Node, Mesenteric |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                    | * Ovary                  |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland         | * Salivary Glands        |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord             | * Stomach, Forestomach   |
| * Thymus                    | * Thyroid Gland             | * Trachea                 |                          |

MISSING

- |                          |            |
|--------------------------|------------|
| * Lymph Node, Mandibular | * Pancreas |
|--------------------------|------------|

AUTO PRECLUDES DIAG.

- |                      |                          |                             |                            |
|----------------------|--------------------------|-----------------------------|----------------------------|
| * Gallbladder        | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Stomach, Glandular |                          |                             |                            |

OBSERVATIONS

- |                                 |  |                              |                     |
|---------------------------------|--|------------------------------|---------------------|
| * Adrenal Cortex                | Subcapsular                                    | Hyperplasia                  | Mild                |
| * Brain                         |  | Mineral                      | Mild                |
| * Harderian Gland               |  | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                        | Interstitial                                   | Infiltration Cellular        | Lymphocyte, Minimal |
| * Parathyroid GI                |  |                              |                     |
| Note: One parathyroid examined. |  |                              |                     |
| * Pituitary GI                  |  |                              |                     |
| Note: Pars distalis examined.   |  |                              |                     |
| * Spleen                        |  | Extramedullary Hematopoiesis | Mild                |
|                                 | [ Extramedullary Hematopoiesis TGLs = 9-12 ]   |                              |                     |
| * Urinary Bladder               |  | Infiltration Cellular        | Lymphocyte, Minimal |
| * Uterus                        | Endometrium                                    | Hyperplasia                  | Cystic, Mild        |
|                                 |  | Thrombus                     | Moderate            |
|                                 | [ Thrombus TGLs = 4-16A, 6-16A, 7-16A, 8-16A ] |                              |                     |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1393

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 622

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1393

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 1, 2, & 3 = NCL; TGL 5 = NST

---

**Experiment Number:** 20105 - 75  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 13:47:55  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

**ANIMAL ID:** 1394

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1394

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                          |                             |                             |
|---------------------------|--------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                  | * Bone Marrow               | * Brain Trigeminal Ganglion |
| * Esophagus               | * Eye                    | * Heart                     | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Islets, Pancreatic        | * Lung                      |
| * Mammary Gland           | * Nerve Trigeminal       | * Nose                      | * Ovary                     |
| * Pancreas                | * Parathyroid Gland      | * Peripheral Nerve, Sciatic | * Pituitary Gland           |
| * Salivary Glands         | * Skeletal Muscle        | * Skin                      | * Spinal Cord               |
| * Spleen                  | * Stomach, Forestomach   | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland           | * Trachea                |                             |                             |

**MISSING**

- |                  |                          |
|------------------|--------------------------|
| * Clitoral Gland | * Lymph Node, Mandibular |
|------------------|--------------------------|

**AUTO PRECLUDES DIAG.**

- |                   |                          |                             |                            |
|-------------------|--------------------------|-----------------------------|----------------------------|
| * Gallbladder     | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Urinary Bladder |                          |                             |                            |

**OBSERVATIONS**

- |                                     |                                      |                       |                          |
|-------------------------------------|--------------------------------------|-----------------------|--------------------------|
| * Adrenal Cortex                    | Subcapsular                          | Hyperplasia           | Mild                     |
| * Adren Medulla                     |                                      |                       |                          |
| Note: One adrenal medulla examined. |                                      |                       |                          |
| * Bone                              |                                      | Fibro-Osseous Lesion  | Moderate                 |
|                                     | [ Fibro-Osseous Lesion TGLs = 4-17 ] |                       |                          |
| * Brain                             |                                      | Hemorrhage            | Mild                     |
|                                     |                                      | Mineral               | Minimal                  |
| * Harderian Gland                   |                                      | Adenocarcinoma        |                          |
|                                     |                                      | Infiltration Cellular | Lymphocyte, Mild         |
| * Kidney                            |                                      | Infarct               | Moderate                 |
|                                     | Interstitium                         | Infiltration Cellular | Lymphocyte, Mild         |
|                                     | [ Infarct TGLs = 7-13 ]              |                       |                          |
| * Liver                             |                                      | Inflammation          | Chronic Active, Moderate |
| * Lymph Node, Mesenteric            |                                      | Infiltration Cellular | Histiocyte, Mild         |
| * Ovary                             |                                      |                       |                          |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1394

TRT#: 8

SEX: Female

DAY ON TEST: 653

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1394

ORGAN AND ACCOUNTABLE SITE STATUS

Note: One ovary examined.

\* Parathyroid Gland

Note: One parathyroid examined.

\* Uterus

Endometrium

Hemangiosarcoma

Hyperplasia

Cystic, Mild

[ Hemangiosarcoma TGLs = 3-16 ]

PRIMARY CAUSE OF DEATH - Harderian Gland Adenocarcinoma

Animal Note: TGLs 1, 2, 5, & 6 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1395

TRT#: 8

SEX: Female

DAY ON TEST: 739

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Trachea                  |
| * Urinary Bladder           |                             |                          |                            |

OBSERVATIONS

- |                                       |                          |  |                     |
|---------------------------------------|--------------------------|--|---------------------|
| * Adrenal Cortex                      | Subcapsular<br>Bilateral | Hyperplasia<br>Vacuolization Cytoplasmic | Minimal<br>Moderate |
| * Brain                               |                          | Mineral                                  | Mild                |
| * Harderian Gland                     |                          | Infiltration Cellular                    | Lymphocyte, Minimal |
| * Kidney                              | Interstitial             | Infiltration Cellular                    | Lymphocyte, Minimal |
| * Liver                               |                          | Necrosis                                 | Minimal             |
| * Lymph Node, Mesenteric              |                          | Hemorrhage                               | Minimal             |
| * Parathyroid GI                      |                          |  |                     |
| Note: One parathyroid gland examined. |                          |  |                     |
| * Thyroid Gland                       |                          | Infiltration Cellular                    | Lymphocyte, Minimal |
| * Uterus                              | Endometrium              | Hyperplasia                              | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ]           |                          |  |                     |

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1396

TRT#: 8

SEX: Female

DAY ON TEST: 740

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain                     | * Clitoral Gland            | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                      | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nerve Trigeminal          | * Nose                     | * Ovary                   |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          | * Skeletal Muscle         |
| * Skin                      | * Spinal Cord               | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            | * Trachea                 |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Heart                               |              | Cardiomyopathy        | Minimal             |
| * Kidney                              | Renal Tubule | Cyst                  |                     |
|                                       |              | Infarct               | Mild                |
|                                       | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Pancreas                            |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              |              | Dilation              | Moderate            |

[ Dilation TGLs = 1-16 ]

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1397

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Kidney
- \* Liver
- \* Pancreas
- \* Parathyroid Gland
- \* Salivary Glands
- \* Urinary Bladder
- \* Uterus
- Subcapsular
- Hyperplasia
- Mineral
- Infiltration Cellular
- Infarct
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Infiltration Cellular
- Dilation
- Mild
- Minimal
- Lymphocyte, Minimal
- Mild
- Lymphocyte, Mild
- Lymphocyte, Mild
- Lymphocyte, Minimal
- Lymphocyte, Moderate
- Lymphocyte, Mild
- Lymphocyte, Mild
- Moderate

[ Dilation TGLs = 1-16 ]





**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1398

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 669

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1398

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- UNCERTAIN

---

Animal Note: TGL 4 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1399

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | * Aorta                    | * Bone                    | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Mammary Gland            | * Nerve Trigeminal        | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve, Sciatic |
| * Pituitary Gland        | * Salivary Glands          | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord            | * Thymus                   | * Thyroid Gland           | * Trachea                   |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |  |             |                              |                     |
|--|-------------|------------------------------|---------------------|
| * Adrenal Cortex                             | Subcapsular | Hyperplasia                  | Mild                |
| * Bone Marrow                                |             | Hypercellularity             | Mild                |
| * Brain                                      |             | Mineral                      | Mild                |
| * Clitoral Gl                                |             |                              |                     |
| Note: One clitoral gland examined.           |             |                              |                     |
| * Harderian Gland                            |             | Histiocytic Sarcoma          |                     |
|  |             | Infiltration Cellular        | Lymphocyte, Minimal |
| * Kidney                                     |             | Infarct                      | Mild                |
| * Liver                                      |             | Histiocytic Sarcoma          |                     |
|  |             | Necrosis                     | Mild                |
| Lymph Node                                   | Mediastinal | Hyperplasia                  | Lymphoid, Mild      |
| [ Hyperplasia TGLs = 5-19 ]                  |             |                              |                     |
| * Lymph Node, Mesenteric                     |             | Histiocytic Sarcoma          |                     |
| [ Histiocytic Sarcoma TGLs = 4-15 ]          |             |                              |                     |
| * Parathyroid Gl                             |             |                              |                     |
| Note: One parathyroid gland examined.        |             |                              |                     |
| * Spleen                                     |             | Extramedullary Hematopoiesis | Mild                |
|  |             | Histiocytic Sarcoma          |                     |
| [ Extramedullary Hematopoiesis TGLs = 2-12 ] |             |                              |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1399

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1399

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Histiocytic Sarcoma TGLs = 2-12, 3-12 ]

\* Stomach, Forestomach

Histiocytic Sarcoma

\* Stomach, Glandular

Histiocytic Sarcoma

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Histiocytic Sarcoma

Infiltration Cellular

Lymphocyte, Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1400

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Aorta	* Bone	* Bone Marrow
* Brain Trigeminal Ganglion	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Mammary Gland	* Nerve Trigeminal	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

INSUFFICIENT TISSUE

\* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Note: One adrenal is on slide 6.			
* Brain		Mineral	Minimal
* Lymph Node, Mandibular		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLs = 2-9 ]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
* Ovary			
Note: One ovary examined.			
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLs = 1-9 ]			
* Spleen		Extramedullary Hematopoiesis	Moderate
[ Extramedullary Hematopoiesis TGLs = 4-12 ]			
* Thymus			
Note: Thymus is on slide 7.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLs = 3-16 ]			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1401

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Ovary
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mandibular
- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral    Mild
- \* Clitoral GI  
    Note: One clitoral gland examined.
- \* Harderian Gland    Infiltration Cellular                      Lymphocyte, Minimal
- \* Kidney    Interstitium    Infiltration Cellular                      Lymphocyte, Mild
- Mesentery    Fat    Necrosis    Moderate
- [ Necrosis    TGLs = 1-19 ]
- \* Ovary  
    Note: One ovary examined.
- \* Pancreas    Necrosis    Mild
- \* Parathyroid GI  
    Note: One parathyroid gland examined.
- \* Salivary Glands    Infiltration Cellular                      Lymphocyte, Mild
- \* Urinary Bladder    Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1401

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 743

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1401

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Polyp Stromal

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1402

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Kidney                    | * Liver                     | * Lung                   | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       | * Nose                      |
| * Ovary                     | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thyroid Gland          | * Trachea                   |

OBSERVATIONS

- |                                       |                                 |                       |                      |
|---------------------------------------|---------------------------------|-----------------------|----------------------|
| * Adrenal Cortex                      | Subcapsular                     | Hyperplasia           | Mild                 |
| * Brain                               |                                 | Mineral               | Minimal              |
| * Harderian Gland                     |                                 | Infiltration Cellular | Lymphocyte, Minimal  |
| * Islets, Pancreatic                  |                                 | Hyperplasia           | Mild                 |
| * Parathyroid GI                      |                                 |                       |                      |
| Note: One parathyroid gland examined. |                                 |                       |                      |
| * Salivary Glands                     |                                 | Infiltration Cellular | Lymphocyte, Minimal  |
| * Skin                                | Subcut Tiss                     | Hemangiosarcoma       |                      |
|                                       | [ Hemangiosarcoma TGLs = 1-19 ] |                       |                      |
| * Thymus                              |                                 | Cyst                  |                      |
| * Urinary Bladder                     |                                 | Infiltration Cellular | Lymphocyte, Moderate |
| * Uterus                              |                                 | Dilation              | Mild                 |
|                                       | Endometrium                     | Hyperplasia           | Cystic, Mild         |
|                                       | [ Dilation TGLs = 2-16 ]        |                       |                      |
|                                       | [ Hyperplasia TGLs = 2-16 ]     |                       |                      |

Animal Note: TGL 3 = NCL

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1403

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1403

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

\* Spleen

Extramedullary Hematopoiesis

Mild

[ Extramedullary Hematopoiesis TGLs = 3-12 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1404

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Kidney                    | * Liver                     | * Lung                     |
| * Lymph Node, Mandibular    | * Mammary Gland             | * Nerve Trigeminal          | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Salivary Glands           | * Skeletal Muscle           | * Skin                      | * Spinal Cord              |
| * Spleen                    | * Stomach, Glandular        | * Thymus                    | * Trachea                  |
| * Uterus                    |                             |                             |                            |

OBSERVATIONS

- |                                       |                |                         |                     |
|---------------------------------------|----------------|-------------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular    | Hyperplasia             | Mild                |
| * Brain                               |                | Mineral                 | Minimal             |
| * Harderian Gland                     |                | Infiltration Cellular   | Lymphocyte, Minimal |
| * Lymph Node, Mesenteric              |                | Infiltration Cellular   | Histiocyte, Mild    |
| * Nose                                | Respirat Epith | Adenoma                 |                     |
| * Parathyroid Gland                   |                |                         |                     |
| Note: One parathyroid gland examined. |                |                         |                     |
| * Stomach, Forestomach                |                | Squamous Cell Papilloma |                     |
| * Thyroid Gland                       | Follicle       | Cyst                    |                     |
| * Urinary Bladder                     |                | Infiltration Cellular   | Lymphocyte, Mild    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1405

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Histiocytic Sarcoma
    - Hyperplasia
- \* Brain
  - Mineral
- \* Harderian Gland
  - Infiltration Cellular
- \* Kidney
  - Histiocytic Sarcoma
- \* Liver
  - Histiocytic Sarcoma
- Lymph Node
  - [ Histiocytic Sarcoma TGLs = 6-19 ]
- \* Lymph Node, Mesenteric
  - [ Histiocytic Sarcoma TGLs = 7-15 ]
- \* Pancreas
  - Histiocytic Sarcoma
- \* Parathyroid Gland
  - Note: One parathyroid gland examined.
- \* Salivary Glands
  - Infiltration Cellular
- \* Spleen
  - Histiocytic Sarcoma
  - [ Histiocytic Sarcoma TGLs = 4-12, 5-12 ]
- \* Urinary Bladder
  - Infiltration Cellular
- \* Uterus
  - Endometrium
    - Hyperplasia
    - Leiomyosarcoma
  - [ Hyperplasia TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1405

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1405

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Leiomyosarcoma TGLs = 3-20 ]

---

Animal Note: TGL 1 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1407

TRT#: 8

SEX: Female

DAY ON TEST: 745

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Pituitary Gland
- \* Spinal Cord
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Pancreas
- \* Salivary Glands
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nerve Trigeminal
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Adrenal Cortex
- \* Adrenal Medulla

OBSERVATIONS

- \* Brain
  - \* Harderian Gland
  - \* Parathyroid GI
  - Note: One parathyroid gland examined.
  - \* Uterus
  - [ Dilation TGLs = 2-16 ]
  - [ Hyperplasia TGLs = 2-16 ]
- Mineral Adenoma
- Dilation Hyperplasia
- Mild
- Moderate Cystic, Mild
- Endometrium

Animal Note: TGL 1 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1408

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Eye                       | * Gallbladder              |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skin                      | * Spinal Cord               | * Spleen                    | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             | * Trachea                  |

MISSING

- |             |                    |
|-------------|--------------------|
| * Esophagus | * Nerve Trigeminal |
|-------------|--------------------|

OBSERVATIONS

- |                               |              |                       |                     |
|-------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex              | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                       |              | Mineral               | Minimal             |
| * Kidney                      | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Pituitary Gland             |              |                       |                     |
| Note: Pars distalis examined. |              |                       |                     |
| * Salivary Glands             |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Skeletal Muscle             |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder             |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                      | Endometrium  | Hyperplasia           | Cystic, Mild        |

[ Hyperplasia TGLs = 1-16 ]



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1410

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- |               |                    |
|---------------|--------------------|
| * Gallbladder | * Nerve Trigeminal |
|---------------|--------------------|

INSUFFICIENT TISSUE

- \* Urinary Bladder

OBSERVATIONS

- |                     |  |                        |                     |
|---------------------|--|------------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain             |  | Mineral                | Mild                |
| * Harderian Gland   |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney            | Interstitial                           | Infiltration Cellular  | Lymphocyte, Mild    |
| * Liver             |  | Hepatocellular Adenoma |                     |
|                     |  | Infiltration Cellular  | Lymphocyte, Minimal |
|                     | [ Hepatocellular Adenoma TGLs = 3-20 ] |                        |                     |
| Mesentery           | Fat                                    | Inflammation           | Chronic, Mild       |
|                     | [ Inflammation TGLs = 2-19 ]           |                        |                     |
| * Parathyroid Gland |  |                        |                     |
|                     | Note: One parathyroid gland examined.  |                        |                     |
| * Salivary Glands   |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus            | Endometrium                            | Hyperplasia            | Cystic, Mild        |
|                     | [ Hyperplasia TGLs = 1-16 ]            |                        |                     |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1411

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thymus

MISSING

- \* Clitoral Gland
- \* Lymph Node, Mesenteric
- \* Ovary

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Accessory Adrenal Cortical Nodule
    - Hyperplasia
    - Mineral
- \* Brain
- \* Harderian GI
  - Note: One Harderian gland examined.
- \* Kidney
  - Interstitial
    - Infiltration Cellular
- \* Liver
  - Mesentery
    - Fat
      - Extramedullary Hematopoiesis
      - Infiltration Cellular
      - Necrosis
- \* Parathyroid GI
  - Note: One parathyroid gland examined.
- \* Salivary Glands
  - Infiltration Cellular
- \* Spleen
  - Hyperplasia
- \* Thyroid Gland
  - Infiltration Cellular
- \* Urinary Bladder
  - Infiltration Cellular
- \* Uterus
  - Endometrium
    - Hyperplasia

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1412

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 675

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1412

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1413

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Aorta
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Skin
- \* Thymus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Pancreas
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Adrenal Medulla

OBSERVATIONS

- |                             |                     |                       |                     |
|-----------------------------|---------------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular         | Hyperplasia           | Mild                |
| * Brain                     |                     | Mineral               | Minimal             |
| * Heart                     | Myocardium          | Fibrosis              | Minimal             |
| * Kidney                    | Interstitialium     | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                     |                     | Eosinophilic Focus    |                     |
| * Lung                      | Alveolar Epith      | Hyperplasia           | Focal, Minimal      |
| Lymph Node                  |                     | Histiocytic Sarcoma   |                     |
| [ Histiocytic Sarcoma       | TGLs = 5-19, 6-21 ] |                       |                     |
| * Lymph Node, Mesenteric    |                     | Histiocytic Sarcoma   |                     |
| [ Histiocytic Sarcoma       | TGLs = 7-20 ]       |                       |                     |
| * Peripheral Nerve, Sciatic | Axon                | Degeneration          | Minimal             |
| * Salivary Glands           |                     | Infiltration Cellular | Lymphocyte, Minimal |
| * Spleen                    |                     | Histiocytic Sarcoma   |                     |
| [ Histiocytic Sarcoma       | TGLs = 2-12, 3-12 ] |                       |                     |
| * Uterus                    |                     | Dilation              | Moderate            |
| [ Dilation                  | TGLs = 1-16 ]       |                       |                     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1413

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1413

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 4 = NCL

---



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1415

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1415

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 3-16 ]

[ Hyperplasia TGLs = 3-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1416

TRT#: 8

SEX: Female

DAY ON TEST: 744

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                             |
|---------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla         | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder               |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic      | * Liver                     | * Lung                   | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nerve Trigeminal       | * Nose                      |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Skeletal Muscle         | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland             |
| * Trachea                 |                             |                          |                             |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                                       |                                |   |                          |
|---------------------------------------|--------------------------------|---|--------------------------|
| * Adrenal Cortex                      | Subcapsular<br>Bilateral       | Hyperplasia<br>Vacuolization Cytoplasmic<br>Mineral | Mild<br>Mild<br>Mild     |
| * Brain                               |                                |   |                          |
| * Clitoral GI                         |                                |   |                          |
| Note: One clitoral gland examined.    |                                |   |                          |
| * Kidney                              | Interstitial                   | Infarct<br>Infiltration Cellular                    | Mild<br>Lymphocyte, Mild |
| * Parathyroid GI                      |                                |   |                          |
| Note: One parathyroid gland examined. |                                |   |                          |
| * Pituitary Gland                     | Pars Distalis<br>Pars Distalis | Cyst<br>Hyperplasia                                 | Focal, Minimal           |
| * Salivary Glands                     |                                | Infiltration Cellular                               | Lymphocyte, Minimal      |
| * Urinary Bladder                     |                                | Infiltration Cellular                               | Lymphocyte, Mild         |
| * Uterus                              | Endometrium                    | Hyperplasia   | Cystic, Moderate         |

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1417

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal       | * Nose                     |
| * Pancreas                  | * Pituitary Gland           | * Skeletal Muscle        | * Skin                     |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                             |             |                       |                     |
|-----------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular | Hyperplasia           | Mild                |
| * Brain                     |             | Mineral               | Minimal             |
| * Harderian Gland           |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                     |             | Necrosis              | Minimal             |
| * Ovary                     |             | Cyst                  |                     |
| [ Cyst TGLs = 3-19 ]        |             |                       |                     |
| * Peripheral Nerve, Sciatic | Axon        | Degeneration          | Mild                |
| * Salivary Glands           |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder           |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                    |             | Angiectasis           | Moderate            |
|                             | Endometrium | Hyperplasia           | Cystic, Marked      |
| [ Angiectasis TGLs = 2-16 ] |             |                       |                     |
| [ Hyperplasia TGLs = 1-16 ] |             |                       |                     |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1419

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Salivary Glands          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord            | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |  |              |                       |                     |
|--|--------------|-----------------------|---------------------|
| * Adrenal Cortex                         | Subcapsular  | Hyperplasia           | Mild                |
| * Adren Medulla                          |              |                       |                     |
| Note: One adrenal medulla examined.      |              |                       |                     |
| * Brain                                  |              | Mineral               | Minimal             |
| * Harderian Gland                        |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                                 | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| Lymph Node                               |              | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 4-19 ]       |              |                       |                     |
| * Pancreas                               |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                         |              |                       |                     |
| Note: One parathyroid gland examined.    |              |                       |                     |
| * Spleen                                 |              | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 2-12, 3-12 ] |              |                       |                     |
| * Urinary Bladder                        |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                                 | Endometrium  | Hyperplasia           | Cystic, Mild        |
| [ Hyperplasia TGLs = 1-16 ]              |              |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1421

TRT#: 8

SEX: Female

DAY ON TEST: 739

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland             | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Skin                      | * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                  |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                   |             |                       |                     |
|-------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular | Hyperplasia           | Minimal             |
| * Brain           |             | Mineral               | Minimal             |
| * Harderian Gland |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney          |             | Infarct               | Minimal             |
| * Salivary Glands |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus          | Endometrium | Hyperplasia           | Cystic, Moderate    |

[ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1422

TRT#: 8

SEX: Female

DAY ON TEST: 745

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1422

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland			
Note: One parathyroid gland examined.			
* Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Minimal
	[ Dilation TGLs = 1-16 ]		
	[ Hyperplasia TGLs = 1-16 ]		

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1424

TRT#: 8

SEX: Female

DAY ON TEST: 740

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                             |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                       |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum   |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic        |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Nerve Trigeminal          |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle        | * Skin                     | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                    |
| * Thyroid Gland             | * Trachea                |                            |                             |

MISSING

- \* Gallbladder

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Mild                |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Lymph Node, Mandibular              |              | Hyperplasia           | Lymphoid, Mild      |
| * Ovary                               | Follicle     | Cyst                  |                     |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              |              | Dilation              | Moderate            |

[ Dilation TGLs = 1-16 ]

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1425

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland             |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skin                      | * Spinal Cord            | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                   |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                |               |                              |                     |
|--------------------------------|---------------|------------------------------|---------------------|
| * Adrenal Cortex               | Subcapsular   | Hyperplasia                  | Mild                |
| * Brain                        |               | Mineral                      | Minimal             |
| * Harderian Gland              |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Kidney                       | Interstitium  | Infiltration Cellular        | Lymphocyte, Mild    |
| * Liver                        |               | Hepatocellular Adenoma       |                     |
| [ Hepatocellular Adenoma       | TGLs = 2-12 ] |                              |                     |
| Lymph Node                     | Iliac         | Hyperplasia                  | Lymphoid, Minimal   |
| [ Hyperplasia                  | TGLs = 4-20 ] |                              |                     |
| * Lymph Node, Mesenteric       |               | Ectasia                      | Marked              |
| [ Ectasia                      | TGLs = 3-21 ] |                              |                     |
| * Pancreas                     |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Salivary Glands              |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Skeletal Muscle              |               | Infiltration Cellular        | Lymphocyte, Minimal |
| * Spleen                       |               | Extramedullary Hematopoiesis | Mild                |
| [ Extramedullary Hematopoiesis | TGLs = 1-12 ] |                              |                     |
| * Urinary Bladder              |               | Infiltration Cellular        | Lymphocyte, Mild    |
| * Uterus                       | Endometrium   | Hyperplasia                  | Cystic, Minimal     |

Animal Note: TGL 5 = NCL

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1426

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands           | * Spinal Cord               | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Ovary

OBSERVATIONS

- |                             |                                      |                                   |                     |
|-----------------------------|--------------------------------------|-----------------------------------|---------------------|
| * Adrenal Cortex            |                                      | Accessory Adrenal Cortical Nodule | Minimal             |
|                             | Subcapsular                          | Hyperplasia                       | Mild                |
| * Brain                     |                                      | Mineral                           | Mild                |
| * Harderian Gland           |                                      | Infiltration Cellular             | Lymphocyte, Minimal |
| * Kidney                    |                                      | Nephropathy                       | Chronicprogr, Mild  |
|                             | [ Nephropathy TGLs = 5-13 ]          |                                   |                     |
| * Liver                     |                                      | Infiltration Cellular             | Lymphocyte, Minimal |
|                             | Lymph Node                           | Hyperplasia                       | Lymphoid, Moderate  |
|                             |                                      | Leiomyosarcoma                    | Metastatic (Uterus) |
|                             | [ Hyperplasia TGLs = 10-23 ]         |                                   |                     |
|                             | [ Leiomyosarcoma TGLs = 6-21 ]       |                                   |                     |
| * Lymph Node, Mesenteric    |                                      | Leiomyosarcoma                    | Metastatic (Uterus) |
|                             | Mesentery                            | Leiomyosarcoma                    | Metastatic (Uterus) |
|                             | [ Leiomyosarcoma TGLs = 7-22, 9-24 ] |                                   |                     |
| * Pancreas                  |                                      | Leiomyosarcoma                    | Metastatic (Uterus) |
| * Peripheral Nerve, Sciatic |                                      | Degeneration                      | Mild                |
| * Skeletal Muscle           |                                      | Leiomyosarcoma                    | Metastatic (Uterus) |
|                             | [ Leiomyosarcoma TGLs = 12-19 ]      |                                   |                     |
| * Skin                      |                                      | Fibrosis                          | Mild                |
|                             | Subcut Tiss                          |                                   |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1426

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1426

ORGAN AND ACCOUNTABLE SITE STATUS

	Epidermis	Hyperplasia Ulcer	Focal, Moderate Minimal
* Spleen	[ Hyperplasia TGLs = 1-20, 2-20 ]	Extramedullary Hematopoiesis	Mild
* Stomach, Forestomach	[ Leiomyosarcoma TGLs = 8-25 ]	Leiomyosarcoma Leiomyosarcoma	Metastatic (Uterus) Metastatic (Uterus)
* Uterus	Endometrium	Hyperplasia Leiomyosarcoma	Cystic, Mild
	[ Hyperplasia TGLs = 4-16 ]		
	[ Leiomyosarcoma TGLs = 3-16 ]		

Animal Note: TGL 11 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1427

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Ovary
- \* Skeletal Muscle
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Bone
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

INSUFFICIENT TISSUE

- \* Clitoral Gland

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Brain    Mineral                                      Minimal
- \* Kidney    Interstitium                              Infiltration Cellular                      Lymphocyte, Mild
- \* Liver    Eosinophilic Focus                      Hemorrhage                              Mild
- Hepatocellular Adenoma                      Infiltration Cellular                      Lymphocyte, Minimal
- [ Eosinophilic Focus    TGLs = 3-12 ]
- [ Hepatocellular Adenoma    TGLs = 4-12 ]
- Mesentery    Fat    Necrosis                                      Moderate
- [ Necrosis    TGLs = 2-20 ]
- \* Ovary
- Note: One ovary examined.
- \* Pancreas    Infiltration Cellular                      Lymphocyte, Minimal
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1427

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 752

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1427

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

\* Uterus

[ Hyperplasia TGLs = 1-16 ]

Endometrium

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Cystic, Mild

---

Animal Note: TGL 5 = NCL

---

Experiment Number: 20105 - 75  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017  
 Time Report Requested: 13:47:55  
 First Dose M/F: 06/18/12 / 06/18/12  
 Lab: IIT

ANIMAL ID: 1428

TRT#: 8

SEX: Female

DAY ON TEST: 689

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1428

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                        |                          |                           |
|-----------------------------|------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                | * Bone                   | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland       | * Esophagus              | * Eye                     |
| * Harderian Gland           | * Heart                | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Islets, Pancreatic        | * Liver                | * Lymph Node, Mesenteric | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                 | * Ovary                  | * Pancreas                |
| * Pituitary Gland           | * Skeletal Muscle      | * Skin                   | * Spinal Cord             |
| * Spleen                    | * Stomach, Forestomach | * Thymus                 | * Thyroid Gland           |
| * Trachea                   |                        |                          |                           |

**MISSING**

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

**AUTO PRECLUDES DIAG.**

- |                            |                          |                             |                          |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Gallbladder              | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney                 | * Stomach, Glandular        | * Urinary Bladder        |

**OBSERVATIONS**

- |   |             |                       |                     |
|---|-------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular | Hyperplasia           | Mild                |
| * Aorta   |             |                       |                     |
| Note: The aorta tissue that was examined was attached to the heart. |             |                       |                     |
| * Brain   |             | Mineral               | Mild                |
| * Eye   |             |                       |                     |
| Note: One eye examined.   |             |                       |                     |
| * Lung  |             | Congestion            | Mild                |
| [ Congestion TGLs = 3-10 ]  |             |                       |                     |
| * Peripheral Nerve, Sciatic   | Axon        | Degeneration          | Minimal             |
| * Salivary Glands   |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus  | Endometrium | Angiectasis           | Moderate            |
|   |             | Hyperplasia           | Cystic, Mild        |
| [ Angiectasis TGLs = 2-16 ]   |             |                       |                     |
| [ Hyperplasia TGLs = 1-16 ]   |             |                       |                     |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1428

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 689

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1428

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGLs 4 & 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1429

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord               | * Spleen                   |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            |
| * Trachea                   |                             |                             |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                           |              |                       |                     |
|---------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex          | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                   |              | Mineral               | Mild                |
| * Harderian Gland         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                  | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Ovary                   |              |                       |                     |
| Note: One ovary examined. |              |                       |                     |
| * Salivary Glands         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder         |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                  |              | Dilation              | Marked              |

[ Dilation TGLs = 1-16 ]





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1431

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                            |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nerve Trigeminal          | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                    | * Thyroid Gland             | * Trachea                |                            |

OBSERVATIONS

- |                   |  |                        |                     |
|-------------------|--|------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia            | Mild                |
| * Brain           |  | Mineral                | Minimal             |
| * Harderian Gland |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Kidney          |  | Infarct                | Mild                |
| * Liver           |  | Hepatocellular Adenoma | Multiple            |
|                   | [ Hepatocellular Adenoma TGLs = 5-12 ] |                        |                     |
| * Lung            | Alveolar Epith                         | Hyperplasia            | Focal, Minimal      |
| Lymph Node        | Mediastinal                            | Infiltration Cellular  | Histiocyte, Mild    |
|                   | [ Infiltration Cellular TGLs = 4-21 ]  |                        |                     |
| Mesentery         | Fat                                    | Necrosis               | Moderate            |
|                   | [ Necrosis TGLs = 3-19 ]               |                        |                     |
| * Salivary Glands |  | Infiltration Cellular  | Lymphocyte, Minimal |
| * Skin            | Hair Follicle                          | Atrophy                | Moderate            |
|                   | [ Atrophy TGLs = 1-20 ]                |                        |                     |
| * Urinary Bladder |  | Infiltration Cellular  | Lymphocyte, Mild    |
| * Uterus          | Endometrium                            | Hyperplasia            | Cystic, Mild        |
|                   | [ Hyperplasia TGLs = 2-16 ]            |                        |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1432

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Nerve Trigeminal
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Clitoral Gland
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Nose
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Skin
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Histiocytic Sarcoma
    - Hyperplasia
- \* Gallbladder
  - Histiocytic Sarcoma
- \* Heart
  - Cardiomyopathy
  - Histiocytic Sarcoma
  - Mineral
- \* Kidney
  - Myocardium
    - Mineral
    - Histiocytic Sarcoma
- \* Liver
  - [ Histiocytic Sarcoma TGLs = 2-13 ]
    - Fatty Change
    - Histiocytic Sarcoma
- \* Lung
  - [ Histiocytic Sarcoma TGLs = 3-12, 4-12, 5-12 ]
    - Histiocytic Sarcoma
- \* Lymph Node, Mandibular
  - Histiocytic Sarcoma
- \* Lymph Node, Mesenteric
  - Histiocytic Sarcoma
- \* Ovary
  - Histiocytic Sarcoma
- \* Salivary Glands
  - Infiltration Cellular
- \* Spleen
  - Histiocytic Sarcoma
- \* Thyroid GI
  - [ Histiocytic Sarcoma TGLs = 6-12 ]
    - Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1432

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 684

**DOSE:** 10 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1432

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One thyroid gland examined.

\* Uterus

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLs = 1-16 ]

---

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1433

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Aorta
- \* Bone
- \* Bone Marrow
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Nose
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Peripheral Nerve, Sciatic
- \* Pituitary Gland
- \* Spinal Cord
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Trachea

MISSING

- \* Brain Trigeminal Ganglion
- \* Nerve Trigeminal

OBSERVATIONS

- \* Brain
- Mineral
- Mild
- \* Harderian Gland
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Lymph Node, Mesenteric
- Hyperplasia
- Lymphoid, Moderate
- Mesentery
- Necrosis
- Mild
- [ Necrosis TGLs = 3-6 ]
- \* Salivary Glands
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Skeletal Muscle
- Infiltration Cellular
- Lymphocyte, Mild
- \* Skin
- Atrophy
- Marked
- [ Atrophy TGLs = 1-9 ]
- \* Thyroid Gland
- Follicle
- Cyst
- \* Urinary Bladder
- Infiltration Cellular
- Lymphocyte, Minimal
- \* Uterus
- Dilation
- Moderate
- Endometrium
- Hyperplasia
- Cystic, Moderate
- [ Dilation TGLs = 2-16 ]
- [ Hyperplasia TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1434

TRT#: 8

SEX: Female

DAY ON TEST: 745

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nerve Trigeminal          | * Nose                     |
| * Ovary                     | * Pancreas                  | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Salivary Glands           | * Skeletal Muscle           | * Skin                      | * Spinal Cord              |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                   |
| * Thyroid Gland             | * Trachea                   | * Urinary Bladder           |                            |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                   |                             |                       |                     |
|-----------------------------------|-----------------------------|-----------------------|---------------------|
| * Adrenal Cortex                  | Subcapsular                 | Hyperplasia           | Mild                |
| * Brain                           |                             | Mineral               | Minimal             |
| * Harderian Gland                 |                             | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                          |                             | Infarct               | Mild                |
|                                   | Interstitium                | Infiltration Cellular | Lymphocyte, Mild    |
| * Thyroid GI                      |                             |                       |                     |
| Note: One thyroid gland examined. |                             |                       |                     |
| * Uterus                          |                             | Angiectasis           | Mild                |
|                                   | Endometrium                 | Hyperplasia           | Cystic, Moderate    |
|                                   | [ Angiectasis TGLs = 1-16 ] |                       |                     |
|                                   | [ Hyperplasia TGLs = 2-16 ] |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1435

TRT#: 8

SEX: Female

DAY ON TEST: 745

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thymus

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |             |                       |                     |
|---------------------------------------|-------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular | Hyperplasia           | Mild                |
| * Brain                               |             | Mineral               | Mild                |
| * Clitoral Gland                      |             | Inflammation          | Granulomatous, Mild |
| * Harderian Gland                     |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                               |             | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                      |             |                       |                     |
| Note: One parathyroid gland examined. |             |                       |                     |
| * Salivary Glands                     |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Skeletal Muscle                     |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen                              |             | Hyperplasia           | Lymphoid, Mild      |
| * Thyroid GI                          |             |                       |                     |
| Note: One thyroid gland examined.     |             |                       |                     |
| * Urinary Bladder                     |             | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              | Endometrium | Hyperplasia           | Cystic, Mild        |
- [ Hyperplasia TGLs = 2-16 ]

Animal Note: TGL 1 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1436

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                           |                             |
|-----------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                    | * Bone                    | * Brain Trigeminal Ganglion |
| * Clitoral Gland            | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                      | * Lymph Node, Mesenteric   | * Nose                    | * Pancreas                  |
| * Peripheral Nerve, Sciatic | * Salivary Glands          | * Skeletal Muscle         | * Skin                      |
| * Spinal Cord               | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thyroid Gland             | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- |                    |         |                     |
|--------------------|---------|---------------------|
| * Nerve Trigeminal | * Ovary | * Parathyroid Gland |
|--------------------|---------|---------------------|

OBSERVATIONS

- |                          |               |                       |                              |
|--------------------------|---------------|-----------------------|------------------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia           | Mild                         |
| * Bone Marrow            |               | Hypercellularity      | Mild                         |
| * Brain                  |               | Carcinoma             | Metastatic (Pituitary Gland) |
| * Harderian Gland        |               | Infiltration Cellular | Lymphocyte, Mild             |
| * Heart                  |               | Cardiomyopathy        | Minimal                      |
| * Kidney                 |               | Infarct               | Minimal                      |
| * Lymph Node, Mandibular |               | Hyperplasia           | Lymphoid, Moderate           |
| * Mammary Gland          | Duct          | Dilation              | Mild                         |
| * Pituitary Gland        | Pars Distalis | Carcinoma             |                              |
| [ Carcinoma TGLs = 1-4 ] |               |                       |                              |
| * Thymus                 |               | Cyst                  |                              |
| * Uterus                 |               | Dilation              | Mild                         |
|                          | Endometrium   | Hyperplasia           | Cystic, Minimal              |

Animal Note: TGL 2 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1437

TRT#: 8

SEX: Female

DAY ON TEST: 744

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skeletal Muscle
- \* Thymus
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thyroid Gland
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve, Sciatic
- \* Stomach, Forestomach
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Minimal
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver                                      Hepatocellular Adenoma
- [ Hepatocellular Adenoma    TGLs = 12-24 ]
- \* Mesentery                                      Fat                                      Necrosis                                      Moderate
- [ Necrosis    TGLs = 10-25 ]
- \* Parathyroid Gland
- Note: One parathyroid gland examined.
- \* Salivary Glands                                      Infiltration Cellular                      Lymphocyte, Minimal
- \* Skin    Hair Follicle                                      Atrophy                                      Moderate
- Subcut Tiss                                      Fibroma                                      Multiple
- Subcut Tiss                                      Fibrosarcoma                                      Multiple
- [ Atrophy    TGLs = 5-21 ]
- [ Fibroma    TGLs = 6-22, 7-22, 8-23 ]
- [ Fibrosarcoma    TGLs = 1-20, 2-19, 3-19, 4-20 ]
- \* Spleen    Extramedullary Hematopoiesis                      Mild
- [ Extramedullary Hematopoiesis    TGLs = 11-12 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1437

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1437

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

\* Uterus

[ Hyperplasia TGLs = 9-16 ]

Endometrium

Infiltration Cellular

Hyperplasia

Lymphocyte, Moderate

Cystic, Mild

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1438

TRT#: 8

SEX: Female

DAY ON TEST: 745

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Kidney                    | * Liver                  | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                      |
| * Ovary                     | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle           | * Skin                   | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                    |
| * Thyroid Gland             | * Trachea                   |                          |                             |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |                             |                       |                     |
|---------------------------------------|-----------------------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular                 | Hyperplasia           | Mild                |
| * Brain                               |                             | Mineral               | Minimal             |
| * Clitoral GI                         |                             |                       |                     |
| Note: One clitoral gland examined.    |                             |                       |                     |
| * Harderian Gland                     |                             | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid GI                      |                             |                       |                     |
| Note: One parathyroid gland examined. |                             |                       |                     |
| * Salivary Glands                     |                             | Infiltration Cellular | Lymphocyte, Minimal |
| * Urinary Bladder                     |                             | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              |                             | Dilation              | Marked              |
|                                       | Endometrium                 | Hyperplasia           | Cystic, Marked      |
|                                       | [ Dilation TGLs = 1-16 ]    |                       |                     |
|                                       | [ Hyperplasia TGLs = 1-16 ] |                       |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1439

TRT#: 8

SEX: Female

DAY ON TEST: 744

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Liver                     | * Lung                      | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric    | * Mammary Gland             | * Nose                      | * Ovary                    |
| * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Salivary Glands           | * Skeletal Muscle           | * Skin                      | * Spinal Cord              |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            |
| * Trachea                   |                             |                             |                            |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                      |              |                       |                     |
|--------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                     | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                              |              | Mineral               | Mild                |
| * Harderian Gland                    |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney                             | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid GI                     |              |                       |                     |
| Note: One parathyroid gland examined |              |                       |                     |
| * Spleen                             |              | Hyperplasia           | Lymphoid, Mild      |
| * Thyroid GI                         |              |                       |                     |
| Note: One thyroid gland examined.    |              |                       |                     |
| * Urinary Bladder                    |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                             | Endometrium  | Hyperplasia           | Cystic, Minimal     |
| [ Hyperplasia TGLs = 1-16 ]          |              |                       |                     |



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1440

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1440

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Hyperplasia

Lymphocyte, Mild

Cystic, Moderate

[ Hyperplasia TGLs = 2-16 ]

---



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1441

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 750

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1441

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 3 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1442

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                             |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                       |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Liver                     | * Lung                      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                      |
| * Ovary                     | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skeletal Muscle         | * Skin                      | * Spinal Cord               |
| * Spleen                    | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland             | * Trachea                 |                             |                             |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Brain                               |              | Mineral               | Minimal             |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Minimal |
|                                       | Medulla      | Mineral               | Mild                |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus                              |              | Dilation              | Marked              |

[ Dilation TGLs = 1-16 ]



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1445

TRT#: 8

SEX: Female

DAY ON TEST: 740

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                          |
|-----------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                    |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Liver                     | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland          |
| * Nose                      | * Ovary                     | * Pancreas               | * Parathyroid Gland      |
| * Peripheral Nerve, Sciatic | * Pituitary Gland           | * Skeletal Muscle        | * Skin                   |
| * Spinal Cord               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular     |
| * Thyroid Gland             | * Trachea                   |                          |                          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Adren Medulla                       |              |                       |                     |
| Note: One adrenal medulla examined.   |              |                       |                     |
| * Brain                               |              | Mineral               | Minimal             |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Intestine Small, Jejunum            |              | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 3-14 ]    |              |                       |                     |
| * Kidney                              | Interstitial | Infiltration Cellular | Lymphocyte, Minimal |
| * Lymph Node, Mesenteric              |              | Lymphoma Malignant    |                     |
| Mesentery                             | Fat          | Necrosis              | Mild                |
| [ Necrosis TGLs = 2-19 ]              |              |                       |                     |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Thymus                              |              | Lymphoma Malignant    |                     |
| [ Lymphoma Malignant TGLs = 4-6 ]     |              |                       |                     |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              | Endometrium  | Hyperplasia           | Cystic, Mild        |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1445

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1445

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1446

TRT#: 8

SEX: Female

DAY ON TEST: 750

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                             |                            |
|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                      | * Bone Marrow              |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 | * Eye                      |
| * Harderian Gland           | * Heart                     | * Intestine Large, Cecum    | * Intestine Large, Colon   |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mesenteric    | * Mammary Gland            |
| * Nose                      | * Ovary                     | * Peripheral Nerve, Sciatic | * Pituitary Gland          |
| * Salivary Glands           | * Skin                      | * Spinal Cord               | * Stomach, Forestomach     |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland             | * Trachea                  |

MISSING

- |               |                          |                    |                     |
|---------------|--------------------------|--------------------|---------------------|
| * Gallbladder | * Lymph Node, Mandibular | * Nerve Trigeminal | * Parathyroid Gland |
|---------------|--------------------------|--------------------|---------------------|

OBSERVATIONS

- |                  |              |                        |                     |
|------------------|--------------|------------------------|---------------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia            | Mild                |
| * Brain          |              | Mineral                | Mild                |
| * Kidney         | Interstitial | Infiltration Cellular  | Lymphocyte, Mild    |
| * Liver          |              | Basophilic Focus       |                     |
|                  |              | Hepatocellular Adenoma |                     |
|                  |              | Infiltration Cellular  | Lymphocyte, Minimal |
|                  |              |                        |                     |
|                  |              | Infiltration Cellular  | Lymphocyte, Mild    |
|                  |              | Infiltration Cellular  | Lymphocyte, Minimal |
|                  |              | Hyperplasia            | Lymphoid, Moderate  |
|                  |              | Infiltration Cellular  | Lymphocyte, Minimal |
|                  | Endometrium  | Hyperplasia            | Cystic, Minimal     |
- [ Basophilic Focus TGLs = 2-12 ]
- [ Hyperplasia TGLs = 1-16 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1447

TRT#: 8

SEX: Female

DAY ON TEST: 745

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Peripheral Nerve, Sciatic | * Pituitary Gland        | * Skeletal Muscle          | * Skin                    |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- |                  |                    |
|------------------|--------------------|
| * Clitoral Gland | * Nerve Trigeminal |
|------------------|--------------------|

OBSERVATIONS

- |                                       |              |                       |                      |
|---------------------------------------|--------------|-----------------------|----------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                 |
| * Brain                               |              | Mineral               | Mild                 |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Kidney                              | Interstitium | Infiltration Cellular | Lymphocyte, Mild     |
| * Liver                               |              | Angiectasis           | Moderate             |
|                                       |              | Infiltration Cellular | Lymphocyte, Moderate |
| [ Angiectasis TGLs = 2-19 ]           |              |                       |                      |
| * Parathyroid Gland                   |              |                       |                      |
| Note: One parathyroid gland examined. |              |                       |                      |
| * Salivary Glands                     |              | Infiltration Cellular | Lymphocyte, Minimal  |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Mild     |
| * Uterus                              |              | Dilation              | Moderate             |
|                                       | Endometrium  | Hyperplasia           | Cystic, Moderate     |
| [ Dilation TGLs = 1-16 ]              |              |                       |                      |
| [ Hyperplasia TGLs = 1-16 ]           |              |                       |                      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1448

TRT#: 8

SEX: Female

DAY ON TEST: 739

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Aorta	* Bone	* Bone Marrow	* Brain Trigeminal Ganglion
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nerve Trigeminal	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
	[ Pheochromocytoma Benign TGLs = 6-7 ]		
* Brain		Mineral	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Liver		Hepatocellular Carcinoma	
	[ Hepatocellular Carcinoma TGLs = 4-12 ]		
Lymph Node	Iliac	Hyperplasia	Lymphoid, Minimal
	[ Hyperplasia TGLs = 2-20 ]		
* Parathyroid Gland			
	Note: One parathyroid gland examined.		
* Peripheral Nerve, Sciatic	Axon	Degeneration	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
	[ Hyperplasia TGLs = 5-4 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
* Uterus		Dilation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
	[ Dilation TGLs = 3-16 ]		
	[ Hyperplasia TGLs = 1-16 ]		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1449

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nerve Trigeminal          |
| * Nose                      | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Pituitary Gland           | * Skin                      | * Spinal Cord            | * Spleen                    |
| * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                 | * Trachea                   |

INSUFFICIENT TISSUE

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                     |  |                                |                     |
|---------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                                    | Hyperplasia                    | Mild                |
| * Brain             |  | Mineral                        | Minimal             |
| * Harderian Gland   |  | Infiltration Cellular          | Lymphocyte, Minimal |
| * Kidney            | Renal Tubule<br>Interstitialium                | Dilation                       | Minimal             |
| * Liver             |  | Infiltration Cellular          | Lymphocyte, Mild    |
|                     | [ Hepatocellular Adenoma TGLs = 7-12 ]         | Hepatocellular Adenoma         | Multiple            |
|                     |  | Infiltration Cellular          | Lymphocyte, Mild    |
| * Lung              |  | Alveolar/Bronchiolar Adenoma   |                     |
|                     |  | Alveolar/Bronchiolar Carcinoma |                     |
|                     | [ Alveolar/Bronchiolar Adenoma TGLs = 9-10 ]   |                                |                     |
|                     | [ Alveolar/Bronchiolar Carcinoma TGLs = 8-10 ] |                                |                     |
| Lymph Node          | Mediastinal                                    | Hyperplasia                    | Lymphoid, Mild      |
|                     | [ Hyperplasia TGLs = 10-19 ]                   |                                |                     |
| Mesentery           | Fat  | Necrosis                       | Moderate            |
|                     | [ Necrosis TGLs = 6-20 ]                       |                                |                     |
| * Ovary             | Follicle                                       | Cyst                           |                     |
|                     | [ Cyst TGLs = 5-16 ]                           |                                |                     |
| * Parathyroid Gland |  |                                |                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1449

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1449

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: One parathyroid gland examined.

- \* Salivary Glands
- \* Skeletal Muscle
- \* Thyroid Gland
- \* Urinary Bladder
- \* Uterus

Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Infiltration Cellular  
Dilation

Lymphocyte, Mild  
Lymphocyte, Minimal  
Lymphocyte, Mild  
Lymphocyte, Mild  
Moderate

[ Dilation TGLs = 1-16, 3-16, 4-16 ]

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1450

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 10 W/kg

DISP: Moribund Sacrifice

HISTO: 12-5117-1450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                            |                           |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                     | * Bone Marrow             |
| * Brain                     | * Brain Trigeminal Ganglion | * Clitoral Gland           | * Esophagus               |
| * Eye                       | * Intestine Large, Cecum    | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum    | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric    | * Mammary Gland            | * Nerve Trigeminal        |
| * Nose                      | * Ovary                     | * Parathyroid Gland        | * Pituitary Gland         |
| * Skeletal Muscle           | * Skin                      | * Spinal Cord              | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland            | * Trachea                 |

MISSING

- \* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- \* Gallbladder

OBSERVATIONS

- |                                     |                 |                       |                     |
|-------------------------------------|-----------------|-----------------------|---------------------|
| * Adrenal Cortex                    | Subcapsular     | Hyperplasia           | Mild                |
| * Adren Medulla                     |                 |                       |                     |
| Note: One adrenal medulla examined. |                 |                       |                     |
| * Harderian Gland                   |                 | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart                             |                 | Cardiomyopathy        | Minimal             |
| * Kidney                            | Interstitialium | Infiltration Cellular | Lymphocyte, Minimal |
| * Liver                             |                 | Fatty Change          | Marked              |
| [ Fatty Change TGLs = 2-12 ]        |                 |                       |                     |
| * Ovary                             |                 |                       |                     |
| Note: One ovary examined.           |                 |                       |                     |
| * Pancreas                          | Acinus          | Atrophy               | Marked              |
|                                     | Duct            | Cyst                  |                     |
| [ Cyst TGLs = 1-6 ]                 |                 |                       |                     |
| * Parathyroid Gland                 |                 |                       |                     |
| Note: One parathyroid gland.        |                 |                       |                     |
| * Peripheral Nerve, Sciatic         | Axon            | Degeneration          | Minimal             |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**ANIMAL ID:** 1450

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 674

**DOSE:** 10 W/kg

**DISP:** Moribund Sacrifice

**HISTO:** 12-5117-1450

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Spleen

Extramedullary Hematopoiesis

Mild

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: TGLs 3-5 = NCL



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1451

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 500

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1451

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 3-16 ]

---

**PRIMARY CAUSE OF DEATH** - Lung Osteosarcoma Bone

---

Animal Note: TGLs 1, 2, & 5 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1452

TRT#: 8

SEX: Female

DAY ON TEST: 740

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Brain
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Salivary Glands
- \* Stomach, Glandular

MISSING

- \* Clitoral Gland
- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Ovary

OBSERVATIONS

- |                                       |              |                       |                     |
|---------------------------------------|--------------|-----------------------|---------------------|
| * Adrenal Cortex                      | Subcapsular  | Hyperplasia           | Mild                |
| * Bone                                |              | Fibro-Osseous Lesion  | Mild                |
| * Gallbladder                         |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Harderian Gland                     |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Kidney                              |              | Infarct               | Moderate            |
|                                       | Interstitium | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver                               |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Pancreas                            |              | Infiltration Cellular | Lymphocyte, Mild    |
| * Parathyroid Gland                   |              |                       |                     |
| Note: One parathyroid gland examined. |              |                       |                     |
| * Spinal Cord                         |              | Cyst                  | Squamous, Multiple  |
| * Spleen                              |              | Hyperplasia           | Lymphoid, Mild      |
| * Thymus                              |              | Cyst                  |                     |
| * Urinary Bladder                     |              | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                              |              | Dilation              | Moderate            |
|                                       | Endometrium  | Hyperplasia           | Cystic, Moderate    |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1452

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1452

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Dilation TGLs = 1-16 ]

[ Hyperplasia TGLs = 1-16 ]

---



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1453

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 745

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1453

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 3-16 ]

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1454

TRT#: 8

SEX: Female

DAY ON TEST: 744

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * Aorta                  | * Bone                     | * Bone Marrow             |
| * Brain Trigeminal Ganglion | * Clitoral Gland         | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nerve Trigeminal          | * Nose                   | * Pancreas                 | * Pituitary Gland         |
| * Skeletal Muscle           | * Skin                   | * Spinal Cord              | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  |                           |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                    |  |                              |                       |
|------------------------------------|--|------------------------------|-----------------------|
| * Adrenal Cortex                   | Subcapsular                              | Hyperplasia                  | Moderate              |
| * Brain                            |  | Mineral                      | Minimal               |
| * Clitoral Gl                      |  |                              |                       |
| Note: One clitoral gland examined. |  |                              |                       |
| * Harderian Gland                  |  | Infiltration Cellular        | Lymphocyte, Minimal   |
| * Heart                            |  | Cardiomyopathy               | Minimal               |
| * Kidney                           | Interstitium                             | Infiltration Cellular        | Lymphocyte, Minimal   |
|                                    |  | Nephropathy                  | Chronicprogr, Minimal |
| * Liver                            |  | Hepatocellular Adenoma       |                       |
|                                    |  | Hepatocellular Carcinoma     |                       |
|                                    | [ Hepatocellular Adenoma TGLs = 6-20 ]   |                              |                       |
|                                    | [ Hepatocellular Carcinoma TGLs = 7-12 ] |                              |                       |
| Mesentery                          | Fat                                      | Necrosis                     | Moderate              |
|                                    | [ Necrosis TGLs = 4-19 ]                 |                              |                       |
| * Ovary                            |  | Luteoma                      |                       |
|                                    | [ Luteoma TGLs = 2-16 ]                  |                              |                       |
| * Peripheral Nerve, Sciatic        | Axon                                     | Degeneration                 | Minimal               |
| * Salivary Glands                  |  | Infiltration Cellular        | Lymphocyte, Mild      |
| * Spleen                           |  | Extramedullary Hematopoiesis | Mild                  |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1454

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1454

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Extramedullary Hematopoiesis TGLs = 5-12 ]

\* Thymus

\* Urinary Bladder

\* Uterus

[ Dilation TGLs = 1-16 ]

Cyst

Infiltration Cellular

Dilation

Lymphocyte, Moderate

Mild

---

Animal Note: TGL 3 = NCL

---



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

---

**ANIMAL ID:** 1455

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 10 W/kg

**DISP:** Natural Death

**HISTO:** 12-5117-1455

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Urinary Bladder

\* Uterus

Endometrium

Infiltration Cellular

Cyst

Dilation

Lymphocyte, Minimal

Moderate

[ Dilation TGLs = 5-16 ]

---

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

---

Animal Note: TGLs 1 & 7 = NCL; TGL 2 = NST

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1458

TRT#: 8

SEX: Female

DAY ON TEST: 752

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Nerve Trigeminal        | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve, Sciatic | * Pituitary Gland        |
| * Salivary Glands          | * Skeletal Muscle         | * Skin                      | * Spinal Cord            |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 |                             |                          |

MISSING

- \* Brain Trigeminal Ganglion

OBSERVATIONS

- |                   |                |                       |                     |
|-------------------|----------------|-----------------------|---------------------|
| * Adrenal Cortex  | Subcapsular    | Hyperplasia           | Mild                |
| * Kidney          | Interstitium   | Infiltration Cellular | Lymphocyte, Mild    |
|                   |                | Metaplasia            | Osseous             |
| * Liver           |                | Infiltration Cellular | Lymphocyte, Minimal |
| * Lung            | Alveolar Epith | Hyperplasia           | Focal, Mild         |
| * Urinary Bladder |                | Angiectasis           | Mild                |
|                   |                | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus          | Endometrium    | Hyperplasia           | Cystic, Mild        |

[ Hyperplasia TGLs = 1-16 ]





Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1461

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                           |                             |                          |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla           | * Aorta                   | * Bone                      | * Bone Marrow            |
| * Brain Trigeminal Ganglion | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder               | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum  | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                      | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Ovary                     | * Parathyroid Gland       | * Skeletal Muscle           | * Skin                   |
| * Spinal Cord               | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland             | * Trachea                 |                             |                          |

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- |                             |                                       |                       |                     |
|-----------------------------|---------------------------------------|-----------------------|---------------------|
| * Adrenal Cortex            | Subcapsular                           | Hyperplasia           | Mild                |
| * Brain                     |                                       | Mineral               | Mild                |
| * Mammary Gland             | Duct                                  | Dilation              | Mild                |
| * Pancreas                  |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| * Peripheral Nerve, Sciatic | Axon                                  | Degeneration          | Minimal             |
| * Pituitary Gland           | Pars Distalis                         | Adenoma               |                     |
|                             | [ Adenoma TGLs = 3-4 ]                |                       |                     |
| * Salivary Glands           |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| * Spleen                    |                                       | Hemangiosarcoma       |                     |
|                             | [ Hemangiosarcoma TGLs = 1-12, 2-12 ] |                       |                     |
| * Urinary Bladder           |                                       | Infiltration Cellular | Lymphocyte, Minimal |
| * Uterus                    |                                       | Dilation              | Minimal             |

Animal Note: TGL 4 = NCL

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1462

TRT#: 8

SEX: Female

DAY ON TEST: 746

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea
- \* Aorta
- \* Brain Trigeminal Ganglion
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Stomach, Glandular
- \* Bone
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Spinal Cord
- \* Thymus
- \* Bone Marrow
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Nerve Trigeminal

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild
- \* Harderian Gland                                           Infiltration Cellular                      Lymphocyte, Minimal
- \* Liver                                           Infiltration Cellular                      Lymphocyte, Mild
- \* Pancreas                                           Infiltration Cellular                      Lymphocyte, Mild
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Skin                      Hair Follicle                      Atrophy                      Moderate
- [ Atrophy    TGLs = 1-9 ]
- \* Urinary Bladder                                           Infiltration Cellular                      Lymphocyte, Minimal
- \* Uterus                      Endometrium                      Hyperplasia                      Cystic, Moderate
- [ Hyperplasia    TGLs = 2-16 ]

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1463

TRT#: 8

SEX: Female

DAY ON TEST: 751

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                             |                          |                             |
|-----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla           | * Aorta                     | * Bone                   | * Bone Marrow               |
| * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus              | * Eye                       |
| * Gallbladder               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon    |
| * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum  |
| * Islets, Pancreatic        | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric    |
| * Mammary Gland             | * Nose                      | * Parathyroid Gland      | * Peripheral Nerve, Sciatic |
| * Salivary Glands           | * Skeletal Muscle           | * Spinal Cord            | * Stomach, Forestomach      |
| * Stomach, Glandular        | * Thymus                    | * Thyroid Gland          | * Trachea                   |

MISSING

- \* Nerve Trigeminal

INSUFFICIENT TISSUE

- \* Ovary

OBSERVATIONS

- |                     |                                       |                       |                     |
|---------------------|---------------------------------------|-----------------------|---------------------|
| * Adrenal Cortex    | Subcapsular                           | Hyperplasia           | Mild                |
| * Brain             |                                       | Mineral               | Minimal             |
| * Harderian Gland   |                                       | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney            |                                       | Infarct               | Minimal             |
|                     | Interstitial                          | Infiltration Cellular | Lymphocyte, Mild    |
| * Liver             |                                       | Infiltration Cellular | Lymphocyte, Minimal |
| * Pancreas          |                                       | Lymphoma Malignant    |                     |
|                     | [ Lymphoma Malignant TGLs = 3-6 ]     |                       |                     |
| * Parathyroid Gland |                                       |                       |                     |
|                     | Note: One parathyroid gland examined. |                       |                     |
| * Pituitary Gland   | Pars Distalis                         | Angiectasis           | Minimal             |
| * Skin              | Hair Follicle                         | Atrophy               | Moderate            |
|                     | [ Atrophy TGLs = 1-9 ]                |                       |                     |
| * Spleen            |                                       | Hyperplasia           | Lymphoid, Moderate  |
| * Urinary Bladder   |                                       | Infiltration Cellular | Lymphocyte, Mild    |
| * Uterus            | Endometrium                           | Hyperplasia           | Cystic, Minimal     |

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1463

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 751

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1463

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: TGL 2 = NCL

---

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1465

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Lung
- \* Nose
- \* Skeletal Muscle
- \* Thyroid Gland
- \* Aorta
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spinal Cord
- \* Trachea
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Stomach, Forestomach
- \* Bone Marrow
- \* Gallbladder
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve, Sciatic
- \* Stomach, Glandular

MISSING

- \* Nerve Trigeminal

AUTO PRECLUDES DIAG.

- \* Intestine Small, Ileum

INSUFFICIENT TISSUE

- \* Ovary

OBSERVATIONS

- |   |              |                        |                       |
|---|--------------|------------------------|-----------------------|
| * Adrenal Cortex                        | Subcapsular  | Hyperplasia            | Mild                  |
| * Brain                                 |              | Fibrosarcoma           | Metastatic (Skin)     |
|   |              | Hemorrhage             | Minimal               |
|   |              | Mineral                | Minimal               |
| [ Hemorrhage TGLs = 6-1 ]               |              |                        |                       |
| * Eye                                   | Antr Chamber | Inflammation           | Acute, Marked         |
| [ Inflammation TGLs = 4-5 ]             |              |                        |                       |
| * Kidney                                | Interstitium | Infiltration Cellular  | Lymphocyte, Minimal   |
|   |              | Nephropathy            | Chronicprogr, Minimal |
| * Liver                                 |              | Fatty Change           | Moderate              |
|   |              | Hepatocellular Adenoma | Multiple              |
| [ Fatty Change TGLs = 1-12.1RC ]        |              |                        |                       |
| [ Hepatocellular Adenoma TGLs = 11-12 ] |              |                        |                       |
| Mesentery                               | Fat          | Necrosis               | Mild                  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1465

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1465

ORGAN AND ACCOUNTABLE SITE STATUS

[ Necrosis TGLs = 3-19 ]

\* Parathyroid GI

Note: One parathyroid gland examined.

\* Pituitary Gland

Pars Distalis

Fibrosarcoma

Metastatic (Skin)

\* Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

\* Skin

Subcut Tiss

Fibrosarcoma

[ Fibrosarcoma TGLs = 5-21 ]

\* Spleen

Extramedullary Hematopoiesis

Moderate

\* Thymus

Atrophy

Marked

\* Thyroid GI

Note: One thyroid gland examined.

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Dilation

Moderate

[ Dilation TGLs = 10-16 ]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

Animal Note: TGLs 2, 7, 8, & 9 = NCL

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1466

TRT#: 8

SEX: Female

DAY ON TEST: 597

DOSE: 10 W/kg

DISP: Natural Death

HISTO: 12-5117-1466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain Trigeminal Ganglion
- \* Intestine Large, Cecum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skeletal Muscle
- \* Thyroid Gland
- \* Aorta
- \* Esophagus
- \* Intestine Large, Colon
- \* Kidney
- \* Nerve Trigeminal
- \* Peripheral Nerve, Sciatic
- \* Skin
- \* Trachea
- \* Bone
- \* Eye
- \* Intestine Large, Rectum
- \* Liver
- \* Nose
- \* Pituitary Gland
- \* Spinal Cord
- \* Urinary Bladder
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Spleen

MISSING

- \* Clitoral Gland
- \* Lymph Node, Mesenteric
- \* Thymus

AUTO PRECLUDES DIAG.

- \* Gallbladder
- \* Stomach, Glandular
- \* Intestine Small, Duodenum
- \* Intestine Small, Jejunum
- \* Stomach, Forestomach

OBSERVATIONS

- \* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Mild  
    Note: One adrenal examined (slide 16)
- \* Adren Medulla  
    Note: One adrenal medulla examined (slide 16)
- \* Brain                                      Mineral                                      Mild
- \* Harderian Gland                      Infiltration Cellular                      Lymphocyte, Mild
- \* Lung                                      Congestion                                      Mild  
    [ Congestion    TGLs = 2-10 ]
- \* Ovary                                      Cystadenoma
- [ Cystadenoma    TGLs = 1-19 ]
- \* Parathyroid GI
- Note: One parathyroid gland examined.
- \* Uterus                                      Endometrium                                      Hyperplasia                                      Cystic, Mild

PRIMARY CAUSE OF DEATH                      - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 13:47:55

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

ANIMAL ID: 1468

TRT#: 8

SEX: Female

DAY ON TEST: 744

DOSE: 10 W/kg

DISP: Terminal Sacrifice

HISTO: 12-5117-1468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                             |                             |                             |
|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| * Adrenal Medulla          | * Aorta                     | * Bone                      | * Bone Marrow               |
| * Brain                    | * Brain Trigeminal Ganglion | * Clitoral Gland            | * Esophagus                 |
| * Eye                      | * Gallbladder               | * Heart                     | * Intestine Large, Cecum    |
| * Intestine Large, Colon   | * Intestine Large, Rectum   | * Intestine Small, Duodenum | * Intestine Small, Ileum    |
| * Intestine Small, Jejunum | * Kidney                    | * Lung                      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric   | * Mammary Gland             | * Nerve Trigeminal          | * Nose                      |
| * Ovary                    | * Pancreas                  | * Parathyroid Gland         | * Peripheral Nerve, Sciatic |
| * Pituitary Gland          | * Skeletal Muscle           | * Skin                      | * Spinal Cord               |
| * Spleen                   | * Stomach, Forestomach      | * Stomach, Glandular        | * Thymus                    |
| * Thyroid Gland            | * Trachea                   | * Urinary Bladder           |                             |

OBSERVATIONS

- |  |             |                        |                     |
|--|-------------|------------------------|---------------------|
| * Adrenal Cortex                             | Subcapsular | Hyperplasia            | Mild                |
| * Adren Medulla                              |             |                        |                     |
| Note: One adrenal medulla examined.          |             |                        |                     |
| * Clitoral GI                                |             |                        |                     |
| Note: One clitoral gland examined.           |             |                        |                     |
| * Harderian Gland                            |             | Infiltration Cellular  | Lymphocyte, Minimal |
| * Islets, Pancreatic                         |             | Adenoma                |                     |
| * Liver                                      |             | Hepatocellular Adenoma | Multiple            |
| [ Hepatocellular Adenoma TGLs = 2-12, 3-19 ] |             |                        |                     |
| * Ovary                                      |             |                        |                     |
| Note: One ovary examined.                    |             |                        |                     |
| * Salivary Glands                            |             | Infiltration Cellular  | Lymphocyte, Minimal |
| * Uterus                                     |             | Adenocarcinoma         |                     |
|  | Endometrium | Hyperplasia            | Cystic, Mild        |
| [ Adenocarcinoma TGLs = 1-16 ]               |             |                        |                     |
| [ Hyperplasia TGLs = 1-16 ]                  |             |                        |                     |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20105 - 75

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 08/24/2017

**Time Report Requested:** 13:47:55

**First Dose M/F:** 06/18/12 / 06/18/12

**Lab:** IIT

---

**ANIMAL ID:** 1470

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 744

**DOSE:** 10 W/kg

**DISP:** Terminal Sacrifice

**HISTO:** 12-5117-1470

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 1-16 ]

---

\*\*\* END OF REPORT \*\*\*