

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

Final1_ Rats (CDMA)

NTP Study Number: C20105B
Lock Date: 11/06/2014
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25021 TSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 201

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-201--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-------------|-----------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | Rathkes Cleft | Dilation | Mild |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 202

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------|------------------|
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | | Hemorrhage | Mild |
| | | Inflammation | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Mild |
| * Preputial Gland | | Inflammation | Chronic, Minimal |
| * Thyroid Gland | | Ectopic Thymus | |
| | | Ultimobranchial Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 203

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-203--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|--------------|----------------|
| * Liver | | Inflammation | Focal, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Mild |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 204

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-204--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|----------------|
| * Liver | | Inflammation | Focal, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| Note: Pars distalis available for evaluation | | | |
| * Thyroid Gland | | Ultimobranchial Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 205

TRT#: 1

SEX: Male

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-205--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * 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 | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------------------|------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Liver | | Inflammation | Focal, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 206

TRT#: 1

SEX: Male

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-206--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|----------------|--------------|------------------|
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 207

TRT#: 1

SEX: Male

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-207--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|------------------------|---------------------------|---------------------|
| * Kidney | Renal Tubule
Pelvis | Casts Protein
Dilation | Minimal
Mild |
| Note: Gross lesion of "right kidney dilated" found at trim
[Dilation TGLs = TGL=1-11] | | | |
| * Lung | Perivascular | Infiltration Cellular | Eosinophil, Minimal |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Moderate |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 208

TRT#: 1

SEX: Male

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-208--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 |
| * Mammary Gland | * Nose | * Pancreas | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------|------------------------------|-----------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Extramedullary Hematopoiesis | Minimal |
| * Lymph Node, Mandibular | | Hemorrhage | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 209

TRT#: 1

SEX: Male

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-209--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------|---------------|-------------|-----------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Moderate |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 210

TRT#: 1

SEX: Male

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------|------------------------|----------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Nose | Glands, Respirat Epith | Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 441

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 442

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 443

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

Preputial Gland

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 444

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 445

TRT#: 3

SEX: Male

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Preputial Gland

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 446

TRT#: 3

SEX: Male

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Renal Tubule

Casts Protein

Minimal

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 447

TRT#: 3

SEX: Male

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

Preputial Gland

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 448

TRT#: 3

SEX: Male

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 449

TRT#: 3

SEX: Male

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 450

TRT#: 3

SEX: Male

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Bilateral

Inflammation

Chronic, Mild

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 501

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Preputial Gland

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 502

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

Preputial Gland

OBSERVATIONS

Thymus

Congestion

Mild

[Congestion TGLs = TGL=1-1]

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 503

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Bilateral

Inflammation

Chronic, Mild

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 504

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 505

TRT#: 5

SEX: Male

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Preputial Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 506

TRT#: 5

SEX: Male

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Preputial Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 507

TRT#: 5

SEX: Male

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 508

TRT#: 5

SEX: Male

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Preputial Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 509

TRT#: 5

SEX: Male

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

Preputial Gland

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 510

TRT#: 5

SEX: Male

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Preputial Gland

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 561

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------|-----------------------|
| * Epididymis | | Infiltration Cellular | Mixed Cell, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Inflammation | Focal, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Mild |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 562

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|------------------|
| * Liver | | Inflammation | Focal, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |
| * Thyroid Gland | | Ectopic Thymus | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 563

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|----------------|-----------------------|---------------------|
| * Epididymis | | Infiltration Cellular | Mixed Cell, Minimal |
| * Kidney | Renal Tubule | Degeneration | Minimal |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Mild |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 564

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|----------------------|---------------|-----------------------|-----------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Lung | Perivascular | Infiltration Cellular | Eosinophil, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |
| * Stomach, Glandular | | Erosion | Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 565

TRT#: 7

SEX: Male

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|-----------|--------------|------------------|
| * Liver | | Inflammation | Focal, Minimal |
| * Preputial Gland | Bilateral | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 566

TRT#: 7

SEX: Male

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|--------------|------------------|
| * Liver | | Inflammation | Focal, Minimal |
| * Nose | Olfactory Epi | Cyst | |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 567

TRT#: 7

SEX: Male

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|--------------|------------------|
| * Pituitary Gland | Rathkes Cleft | Dilation | Mild |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 568

TRT#: 7

SEX: Male

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-52170568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|--------------|---------------|------------------|
| * Kidney | Renal Tubule | Casts Protein | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 569

TRT#: 7

SEX: Male

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|----------------|---------------|------------------|
| * Kidney | Renal Tubule | Casts Protein | Minimal |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 570

TRT#: 7

SEX: Male

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | |
|---------|------------------------------|---------|
| * Liver | Extramedullary Hematopoiesis | Minimal |
|---------|------------------------------|---------|

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------------|----------------|--------------|------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Nose | Respirat Epith | Hyperplasia | Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * 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 | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------------|--|-----------------------------------|------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Kidney | Renal Tubule | Casts Protein | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Focal, Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = TGL=1-17] | | |
| * Lung | | Hemorrhage | Minimal |
| * Thyroid Gland | | Ectopic Thymus | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------|------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Ovary | | Mineral | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Thyroid Gland | | Ultimobranchial Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|------------------|
| * Clitoral Gland | Bilateral | Inflammation | Chronic, Minimal |
| * Kidney | Renal Tubule | Casts Protein | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Thyroid Gland | | Ectopic Thymus | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 29

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|------------------|----------------|--------------|-------------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Lung | | Hemorrhage | Minimal |
| | Alveolus | Inflammation | Chronic Active, Minimal |
| | | Metaplasia | Osseous, Minimal |
| | | Mineral | Minimal |
| * Nose | Respirat Epith | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|------------------------------|------------------|
| * Liver | | Extramedullary Hematopoiesis | Minimal |
| | | Inflammation | Focal, Minimal |
| * Lung | Subpleura | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Thyroid Gland | | Ultimobranchial Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Thyroid Gland | | Ectopic Thymus | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * 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 | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------------------|---------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |
| * Thyroid Gland | | Ectopic Thymus | |
| | | Ultimobranchial Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * 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 | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | |
|------------------|-----------------------------------|----------------|
| * Adrenal Cortex | Accessory Adrenal Cortical Nodule | |
| * Liver | Inflammation | Focal, Minimal |
| * Thyroid Gland | Ectopic Thymus | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 30

DOSE: 0W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-240--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * 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 | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------------------|------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | Subpleura | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 471

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 472

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 473

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Clitoral Gland

Heart

Kidney

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 474

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 475

TRT#: 4

SEX: Female

DAY ON TEST: 29

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 476

TRT#: 4

SEX: Female

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Clitoral Gland

Heart

OBSERVATIONS

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 477

TRT#: 4

SEX: Female

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 478

TRT#: 4

SEX: Female

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 479

TRT#: 4

SEX: Female

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Clitoral Gland

Heart

Kidney

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 480

TRT#: 4

SEX: Female

DAY ON TEST: 30

DOSE: 3W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 531

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 532

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 533

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 534

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Thymus

Hemorrhage

Mild

[Hemorrhage TGLs = TGL=1-1]

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 535

TRT#: 6

SEX: Female

DAY ON TEST: 29

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Clitoral Gland

Bilateral

Inflammation

Chronic, Mild

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 536

TRT#: 6

SEX: Female

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Kidney

Nephropathy

Chronicprogr, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 537

TRT#: 6

SEX: Female

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Bilateral

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 538

TRT#: 6

SEX: Female

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 539

TRT#: 6

SEX: Female

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 540

TRT#: 6

SEX: Female

DAY ON TEST: 30

DOSE: 6W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain

Heart

Kidney

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic, Minimal

Animal Note: added for pathology review in PQA module, 04-04-2016

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 591

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-------------------------------|---------------|--------------|------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Lung | | Congestion | Mild |
| | Subpleura | Inflammation | Chronic, Minimal |
| [Congestion TGLs = TGL=1-8] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 592

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------|---------------|--------------|------------------|
| * Clitoral Gland | Bilateral | Inflammation | Chronic, Minimal |
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | Subpleura | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 593

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | |
|--------------------------|--------------|-----------------------|
| * Clitoral Gland | Inflammation | Chronic, Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Inflammation | Focal, Minimal |
| * Lymph Node, Mesenteric | Hemorrhage | Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 594

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|------------------|-----------|--------------|------------------|
| * Clitoral Gland | Bilateral | Inflammation | Chronic, Minimal |
|------------------|-----------|--------------|------------------|

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 595

TRT#: 8

SEX: Female

DAY ON TEST: 29

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|------------------|-----------|--------------|-----------------------|
| * Clitoral Gland | Bilateral | Inflammation | Chronic, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | Subpleura | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 596

TRT#: 8

SEX: Female

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * 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 |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|------------------|--------------|--------------|----------------|
| * Clitoral Gland | Bilateral | Inflammation | Chronic, Mild |
| * Eye | Retina | Dysplasia | Minimal |
| * Kidney | Renal Tubule | Degeneration | Minimal |
| * Liver | | Inflammation | Focal, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 597

TRT#: 8

SEX: Female

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|------------------|-----------|--------------|------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | Subpleura | Inflammation | Chronic, Minimal |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 598

TRT#: 8

SEX: Female

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|------------------|--------------|-----------------------|-----------------------|
| * Clitoral Gland | | Inflammation | Chronic, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | Perivascular | Infiltration Cellular | Eosinophil, Minimal |
| * Ovary | | Hemorrhage | Mild |

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 599

TRT#: 8

SEX: Female

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Liver |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------|--------------|-----------------------|---------------------|
| * Lung | Perivascular | Infiltration Cellular | Eosinophil, Minimal |
|--------|--------------|-----------------------|---------------------|

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/16/2017

Time Report Requested: 11:38:27

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

ANIMAL ID: 600

TRT#: 8

SEX: Female

DAY ON TEST: 30

DOSE: 9W/kg(CDMA)PreC

DISP: Terminal Sacrifice

HISTO: 10-5217-600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * 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 | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------|---------------------|
| * Clitoral Gland | Bilateral | Inflammation | Chronic, Minimal |
| * Liver | | Inflammation | Focal, Minimal |
| * Lung | Perivascular | Infiltration Cellular | Eosinophil, Minimal |
| | Subpleura | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilation | Minimal |

*** END OF REPORT ***