

Experiment Number: 20105 - 78
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
Time Report Requested: 12:30:15
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

Final 1 GSM Mice Core Study

NTP Study Number:	C20105		
Lock Date:	04/07/2016		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25023 MISS	25022 ACCK	25021 TSAC
	25020 NATD	25019 MSAC	
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	3.0.2.4_cartox		
PWG Approval Date:	NONE		

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B6C3F1 MICE MALE 0 W/kg	DAY ON TEST																								ANIMAL ID	males (cont...)
	0 5 8	0 7 3	0 7 2	0 7 3	0 7 3	0 7 3	0 5 6	0 7 3	0 2 6	0 7 3	0 2 6	0 7 3	0 7 3	0 6 3	0 7 3	0 7 3	0 7 3	0 6 3	0 7 2	0 7 3	0 4 8	0 7 3	0 7 3	0 7 3		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Islets, Pancreatic Hyperplasia Infiltration Cellular, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Parathyroid Gland	M	+	+	+	+	+	M	+	M	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+		
Pituitary Gland Pars Distalis, Angiectasis Pars Distalis, Cyst Pars Distalis, Hyperplasia, Focal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GENERAL BODY SYSTEM																										
Peritoneum	+																									
GENITAL SYSTEM																										
Coagulating Gland Cyst																										
Epididymis Granuloma Sperm Infiltration Cellular, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Preputial Gland Infiltration Cellular, Lymphocyte Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

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B6C3F1 MICE MALE	DAY ON TEST																								ANIMAL ID	males (cont...)
	0 5 8	0 7 3	0 7 2	0 7 3	0 7 3	0 7 3	0 5 6	0 7 3	0 2 6	0 7 3	0 2 6	0 7 3	0 7 3	0 6 9	0 7 3	0 7 3	0 7 3	0 6 7	0 7 2	0 7 3	0 4 8	0 7 3	0 7 3	0 7 3		
0 W/kg	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 2	

Inflammation, Chronic Active
Bilateral, Duct, Dilation
Duct, Dilation
Duct, Necrosis

2
2 2 4
3 3 4 2

Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active

+
1
3

Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation

+
2
3 2 3

Testis
Germ Cell, Degeneration

+ +

HEMATOPOIETIC SYSTEM

Bone Marrow
Hypercellularity

+ +

Lymph Node
Renal, Hemorrhage

+ +

Lymph Node, Mandibular
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte

+ M + + M M + M + + + + M + + + M + + + + M + +
1

Lymph Node, Mesenteric
Erythrophagocytosis

+
3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0588 | 0732 | 0773 | 0773 | 0773 | 0756 | 0727 | 0773 | 0773 | 0773 | 0669 | 0733 | 0733 | 0733 | 0733 | 0733 | 0676 | 0773 | 0747 | 0773 | 0773 | 0773 | males
(cont...) |
| | ANIMAL ID | 0001 | 0002 | 0003 | 0004 | 0006 | 0007 | 0008 | 0000 | 0001 | 0003 | 0004 | 0005 | 0006 | 0007 | 0009 | 0010 | 0011 | 0013 | 0014 | 0015 | 0018 | 0019 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder Hemorrhage Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | 2 | | | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
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| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0350 | 0378 | 0372 | 0368 | 0366 | 0366 | 0377 | 0377 | 0377 | 0377 | 0377 | 0366 | 0377 | 0377 | 0344 | 0366 | 0377 | 0366 | 0377 | 0377 | 0377 | 0377 | 0377 | 0377 | | |
| 0 W/kg | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | |
| | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | 2 | | | | 2 | | | 1 | | | | | | | | 2 | |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | + | M | + | + | + | + | M | + | + | + | + | M | + | M | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | X | X | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coagulating Gland
Cyst | | | | | | | | | | | | | | | | | | | | | | | | + | X |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Granuloma Sperm
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | 1 | 1 | | | | | 1 | 1 | 1 | | | | 1 | | | 1 | 1 | 1 | 1 | 1 |
| Preputial Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte
Inflammation, Suppurative | | 2 | 2 | 1 | | | | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | | | | 1 | 2 | | 2 | 2 | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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|-------------------------|---------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------------|---------|
| B6C3F1 MICE MALE | DAY ON TEST | 0350 | 0738 | 0772 | 0668 | 0667 | 0664 | 0777 | 0771 | 0772 | 0779 | 0773 | 0773 | 0773 | 0455 | 0662 | 0769 | 0768 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | males
(cont...) | |
| | 0 W/kg | ANIMAL ID | 0003333 | 0003333 | 0003333 | 0003333 | 0003333 | 0003333 | 0004444 | 0004444 | 0004444 | 0004444 | 0004444 | 0004444 | 0004444 | 0005555 | 0005555 | 0005555 | 0005555 | 0005555 | 0005555 | 0005555 | 0005555 | 0005555 | | 0005555 |
| | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | 6 |

| | | | |
|---|---|---|---|
| Inflammation, Chronic Active
Bilateral, Duct, Dilation
Duct, Dilation
Duct, Necrosis | 3 | 2 | 3 |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + |
| Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation | + | + | + |
| Testis
Germ Cell, Degeneration | + | + | + |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hypercellularity | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Lymph Node
Renal, Hemorrhage | | | | | | | | | | | | | | + | | | | | | | | | | | + | | |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | + | + | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | M | M | + |
| Lymph Node, Mesenteric
Erythrophagocytosis | A | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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+ .. Tissue examined microscopically
X .. Lesion present
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|-------------------------|---------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0350 | 0738 | 0772 | 0668 | 0667 | 0664 | 0777 | 0777 | 0777 | 0777 | 0777 | 0667 | 0777 | 0777 | 0444 | 0667 | 0667 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | males (cont...) |
| | 0 W/kg | ANIMAL ID | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0049 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | |

Hemorrhage 2 1 2 2
 Hyperplasia, Lymphoid 2
 Infiltration Cellular, Histiocyte 2 3 3
 Infiltration Cellular, Plasma Cell

Spleen A +
 Extramedullary Hematopoiesis 2 2 3 2 2
 Hyperplasia, Lymphoid 2

Thymus + + + M + + + + M + + + + M + + + + M + M + + + +
 Atrophy 4 X 3 X 3 4 2
 Cyst X
 Hemorrhage

INTEGUMENTARY SYSTEM

Mammary Gland M +
 Skin +
 Infiltration Cellular, Mixed Cell
 Ulcer

MUSCULOSKELETAL SYSTEM

Bone +
 Skeletal Muscle +
 Degeneration
 Infiltration Cellular, Lymphocyte 1 2

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|-----------------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
| | 0
3
5
0 | 0
7
3
8 | 0
7
3
2 | 0
6
0
8 | 0
6
6
7 | 0
6
7
4 | 0
7
3
7 | 0
7
3
1 | 0
7
0
2 | 0
7
2
9 | 0
7
2
9 | 0
7
3
6 | 0
6
7
3 | 0
7
3
3 | 0
4
5
5 | 0
6
2
2 | 0
7
3
6 | 0
6
9
0 | 0
7
3
6 | 0
7
3
8 | 0
7
3
2 | 0
7
3
1 | | 0
7
3
9 | 0
7
3
3 | |
| 0 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0
0
0
3
3 | 0
0
0
3
4 | 0
0
0
3
5 | 0
0
0
3
6 | 0
0
0
3
7 | 0
0
0
3
8 | 0
0
0
3
9 | 0
0
0
4
1 | 0
0
0
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2 | 0
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3 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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1 | 0
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2 | 0
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3 | 0
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0
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6 | 0
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7 | 0
0
0
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8 |

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|--|---|---|--|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|--|---|---|---|
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | | 1 | 2 | 2 | 2 | 1 | 1 | | 2 | 1 | 2 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Trigeminal Ganglion | + | M | + | M | + | + | + | M | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nerve Trigeminal | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Peripheral Nerve, Sciatic Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchiole, Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchiole, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 5 | 3 | 3 | 0 | 6 | 7 | 3 | 3 | 0 | 2 | 2 | 3 | 9 | 3 | 3 | 5 | 2 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 0 | 8 | 2 | 8 | 7 | 4 | 7 | 1 | 2 | 9 | 9 | 6 | 3 | 7 | 3 | 5 | 2 | 6 | 0 | 6 | 8 | 2 | 1 | 9 | 3 | |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

males (cont...)

Respiratory Epithelium, Accumulation, Hyaline Droplet

Respiratory Epithelium, Hyperplasia
Vomeronasal Organ, Fibrosis

2
2

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
Cornea, Fibrosis

+
3

Harderian Gland
Hemorrhage
Hyperplasia, Focal
Infiltration Cellular, Lymphocyte

+ + + + M I + + + + + + + + + + + + + + + + + +
1 2 1 2 1 1 1 1 1 1 1 1 1 1

URINARY SYSTEM

Kidney
Infarct
Inflammation, Suppurative
Inflammation, Granulomatous
Metaplasia, Osseous
Nephropathy, Chronic Progressive
Glomerulus, Cyst
Interstitial, Infiltration Cellular, Lymphocyte
Pelvis, Dilatation
Renal Tubule, Cyst
Renal Tubule, Mineral
Urothelium, Inflammation, Chronic Active

+
2

3 2
3

X
1 1 1 2 1 2 2 1 2 1 1 2
1 2 1 2 2 1 2 1 2

1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|--|--|--|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | |
| | 3 | 3 | 3 | 2 | 3 | 3 | 5 | 3 | 0 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | | | | | | | |
| | 8 | 2 | 2 | 9 | 3 | 8 | 8 | 0 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 3 | 3 | 0 | 3 | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | | | | | | | |
| | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | | | | | | |
| Infiltration Cellular, Mixed Cell
Inflammation, Focal
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 3 | | | | | | |
| Mesentery
Fat, Necrosis | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas
Hemorrhage
Infiltration Cellular, Lymphocyte
Inflammation, Granulomatous
Duct, Cyst
Duct, Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Salivary Glands
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| | 1 | 2 | 2 | | 1 | 1 | | 2 | | | 1 | 2 | 2 | 1 | | | 1 | 2 | 2 | | 2 | | | | | | | | | |
| Stomach, Forestomach
Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Stomach, Glandular
Hemorrhage
Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Tooth
Dysplasia
Inflammation, Suppurative | | | + | + | | | + | + | | | | + | + | | | | | | + | + | | | | | | | | | | |
| | | | 4 | 2 | | | 1 | 3 | | | | 3 | | | | 2 | | 4 | | | | | | | | | | | | |
| | | | | | | | | | | 3 | | | | 2 | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

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|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 3 | 3 | 2 | 3 | 3 | 5 | 3 | 0 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 2 | 2 | 9 | 3 | 8 | 8 | 0 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 3 | 3 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Blood Vessel
Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Islets, Pancreatic
Hyperplasia
Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Parathyroid Gland | | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + | M | + | + | M | + | |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Thyroid Gland | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland
Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Granuloma Sperm
Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Preputial Gland
Infiltration Cellular, Lymphocyte
Inflammation, Suppurative | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0732 | 0733 | 0729 | 0733 | 0738 | 0738 | 0730 | 0733 | 0733 | 0732 | 0733 | 0731 | 0739 | 0731 | 0732 | 0733 | 0733 | 0732 | 0733 | 0733 | 0730 | 0733 | 0737 | 0732 | 0733 | 0737 | 0732 | 0732 |
| | ANIMAL ID | 00060 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 |

males (cont...)

Hemorrhage 1 2 1
Hyperplasia, Lymphoid 3
Infiltration Cellular, Histiocyte 2 3 2
Infiltration Cellular, Plasma Cell 3

Spleen + + + + + + + + A + + + + + + + + + + + + + A
Extramedullary Hematopoiesis 2 2 2
Hyperplasia, Lymphoid

Thymus + + + + + + + + M + + + + + + + + + + + + M + +
Atrophy 4 3
Cyst X X X X X X
Hemorrhage X X

INTEGUMENTARY SYSTEM

Mammary Gland M
Skin +
Infiltration Cellular, Mixed Cell
Ulcer 3

MUSCULOSKELETAL SYSTEM

Bone +
Skeletal Muscle +
Degeneration
Infiltration Cellular, Lymphocyte 1

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

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Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) |
|----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | | 3 | 3 | 3 | 2 | 3 | 3 | 5 | 3 | 0 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | | |
| | | 8 | 2 | 2 | 9 | 3 | 8 | 8 | 0 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 3 | 3 | 0 | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | | |
| | | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Mineral | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | | 2 | 1 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | M | M |
| Nerve Trigeminal | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | M | + | M | M | + | M | + | M | + |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Axon, Degeneration | | | | | | | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | 3 | | | | | | | | | | | | | | | | 2 | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchiole, Foreign Body | | | | | | | | | | | | | | | 2 | | | | | | 1 | 2 | | |
| Bronchiole, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------------|------------------|------------------|------------------|
| B6C3F1 MICE MALE

0 W/kg | DAY ON TEST | 0
7
3
8 | 0
7
3
2 | 0
7
3
2 | 0
7
2
9 | 0
7
3
3 | 0
7
5
8 | 0
6
3
8 | 0
7
0
0 | 0
7
3
8 | 0
7
3
8 | 0
7
3
1 | 0
7
2
3 | 0
7
3
1 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
2
3 | 0
7
3
0 | 0
7
3
3 | 0
7
3
7 | 0
7
3
2 | 0
7
3
2 | males
(cont...) | | | |
| | ANIMAL ID | 0
0
6
0 | 0
0
6
1 | 0
0
6
2 | 0
0
6
4 | 0
0
6
5 | 0
0
6
6 | 0
0
6
7 | 0
0
6
8 | 0
0
6
9 | 0
0
7
0 | 0
0
7
1 | 0
0
7
2 | 0
0
7
3 | 0
0
7
4 | 0
0
7
5 | 0
0
7
6 | 0
0
7
7 | 0
0
7
7 | 0
0
7
8 | 0
0
7
9 | 0
0
8
0 | 0
0
8
1 | 0
0
8
2 | | 0
0
8
3 | 0
0
8
4 | 0
0
8
5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

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Species/Strain: MICE/B6C3F1

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CAS Number: CELLPRADGSM

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Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | |
| | | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | 2 | 3 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Gallbladder | + | + | + | M | + | M | + | + | + | + | + | + | + | M | + | 73 |
| Intestine Large, Cecum | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 81 |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Small, Duodenum | A | + | + | + | + | A | + | + | + | M | + | + | + | + | + | 77 |
| Intestine Small, Ileum | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 81 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | 3 | | | | | | | | | | | | 1 3.0 |
| Peyer's Patch, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Jejunum | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 79 |
| Inflammation, Granulomatous Epithelium, Cyst | | | | | | | | | | 2 | | | | | | 1 2.0
1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Basophilic Focus | | | | | | | | | | | | | | | | 1 |
| Clear Cell Focus | | | X | X | | | | | X | | | X | X | X | X | 28 |
| Eosinophilic Focus | | | | | | | | | | X | | | | | | 4 |
| Extramedullary Hematopoiesis | | | | | | | | | | | 2 | | | | | 2 1.5 |
| Fatty Change | | | 2 | 1 | 1 | | | 1 | 2 | | | 2 | 2 | | | 37 1.8 |
| Fibrosis | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 2 1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

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

Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|--------|
| | 0709 | 0708 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | | | |
| ANIMAL ID | 0086 | 0088 | 0088 | 0089 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0000 | 0001 | 0002 | 0003 | 0004 |
| Infiltration Cellular, Mixed Cell Inflammation, Focal | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 2 1.5 |
| Mixed Cell Focus | | X | | | | | | | | | | | | X | | | | 2 |
| Necrosis | | | | | | | | 2 | | | | | | | | | | 6 2.2 |
| Mesentery | | | | | | | | | | | | | | | | | | 12 |
| Fat, Necrosis | | | | | | | | 2 | | | | | | | | | | 8 2.3 |
| Pancreas | | | | | | | | | | | | | | | | | | 87 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 3 1.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | 3 | | | | | 1 3.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | 1 |
| Duct, Fibrosis | | | | | | | | | | | | | | | | | | 1 2.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | 90 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 58 1.6 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | 88 |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 3 2.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | 87 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 1 2.0 |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 1 2.0 |
| Tooth | | | | | | | | | | | | | | | | | | 27 |
| Dysplasia | | | | | | | | | | | | | | | | | | 26 2.6 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | 2 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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CAS Number: CELLPRADGSM

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

Lab: IIT

| | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 0 W/kg | | 0 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | |
| | | 9 | 0 | 8 | 0 | 6 | 3 | 9 | 0 | 1 | 0 | 1 | 9 | 2 | 6 | 3 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | |
| | | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | 2 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Blood Vessel | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 3.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Bacteria | | | | | | | | | | | | | | | | | 1 |
| Cardiomyopathy | 2 | | | | | | | | | | 1 | | | | | | 10 1.2 |
| Inflammation, Acute | | | | | | 2 | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 2 1.5 |
| Thrombus | | | | | | | | | | | | | | | | | 1 4.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 2.0 |
| Endocardium, Mineral | | | | | | | | | | | | | | | | | 1 2.0 |
| Epicardium, Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 2.0 |
| Epicardium, Mineral | | | | | | | | | | | | | | | | | 1 2.0 |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | 2 1.5 |
| Myocardium, Necrosis | | | | | | 2 | | | | | | | | | | | 1 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | 1 |
| Angiectasis | | | | | | | | | | | | | | | | | 1 3.0 |
| Hyperplasia, Focal | | | | | 3 | | | | | | | | | | | | 3 2.3 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | 2 1.5 |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | 2 | | 2 | 1 | 2 | | 1 | | 2 | 3 | 1 | 2 | 2 | 2 | 2 | | 69 1.7 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-----------------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | |
| | | 9 | 0 | 8 | 0 | 6 | 3 | 9 | 0 | 1 | 0 | 1 | 9 | 2 | 6 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | |
| | | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | 2 | 3 | |
| | | * TOTALS | | | | | | | | | | | | | | |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Islets, Pancreatic | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 88 |
| Hyperplasia | | | | | | | | | | | 4 | | 2 | | | 18 2.3 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 2 1.5 |
| Parathyroid Gland | | + | + | M | + | M | + | M | M | M | | + | + | + | + | 68 |
| Pituitary Gland | | + | + | + | + | + | + | + | I | + | + | + | + | + | + | 86 |
| Pars Distalis, Angiectasis | | | | | 2 | | | | | | | | | | | 1 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | X | | 3 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 2.0 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | |
| Coagulating Gland | | | | | | | | | | | | | | | | 2 |
| Cyst | | | | | | | | | | | | | | | | 2 |
| Epididymis | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Granuloma Sperm | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 29 1.1 |
| Preputial Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 2 | | 2 | 43 1.6 |
| Inflammation, Suppurative | | | | | 2 | | | | | | | | | | | 1 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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0 W/kg | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|---|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------------------|
| | ANIMAL ID | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | | 0 | 3 | 3 | 3 | 9 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | |
| | | | 9 | 0 | 8 | 0 | 6 | 3 | 9 | 0 | 1 | 0 | 1 | 9 | 2 | 6 | 3 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | |
| | | | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | 2 | 3 | 4 | |
| Inflammation, Chronic Active
Bilateral, Duct, Dilation
Duct, Dilation
Duct, Necrosis | | | 2 | | | | | | | | | | | | | | | 1 2.0
6 2.2
10 3.0
1 2.0 |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
4 1.3
1 3.0 |
| Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
4 2.8
1 2.0
27 2.4 |
| Testis
Germ Cell, Degeneration | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
2 1.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | |
| Bone Marrow
Hypercellularity | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
3 2.7 |
| Lymph Node
Renal, Hemorrhage | | | | | | | | | | | | | | | | | | 6
1 3.0 |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | | | + | + | + | + | + | + | + | M | + | + | + | M | M | + | + | 72
2 1.0
1 1.0 |
| Lymph Node, Mesenteric
Erythrophagocytosis | | | + | + | + | + | + | + | I | + | + | M | + | + | + | + | + | 85
1 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | | |
|------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|-----|
| | 0709 | 0703 | 0708 | 0703 | 0703 | 0706 | 0703 | 0709 | 0702 | 0702 | 0701 | 0701 | 0709 | 0702 | 0703 | | 0703 | |
| ANIMAL ID | 0086 | 0088 | 0088 | 0089 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | 0099 | | |
| Hemorrhage | 3 | | | | | | | | | | | | | | | | 10 | 1.8 |
| Hyperplasia, Lymphoid | | | 3 | | | | | | | | | | | | | | 4 | 2.5 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 8 | 2.4 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Extramedullary Hematopoiesis | 3 | | | | | | | | | | 3 | | | | | | 15 | 2.2 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 5 | 2.2 |
| Thymus | M | + | + | M | + | + | + | + | + | + | M | + | + | + | + | | 75 | |
| Atrophy | | | | | | | | 2 | | | | | | | | | 11 | 3.3 |
| Cyst | | | | | | | | | | X | | | | | | X | 11 | |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 | 3.0 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | 2 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Ulcer | | | | | | | | | | | | | | | | | 2 | 3.0 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Degeneration | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 3 | 1.3 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|--|--|
| | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 0 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | | | |
| | | 9 | 0 | 8 | 0 | 6 | 3 | 9 | 0 | 1 | 0 | 1 | 9 | 2 | 6 | 3 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | | | |
| | | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | 2 | 3 | 4 | | | |
| | | | | | | | | | | | | | | | | * TOTALS | | | |

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---------------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 90 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mineral | 1 | 1 | | 2 | 2 | | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | | | 79 1.5 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 2.0 |
| Brain Trigeminal Ganglion | M | + | + | M | + | + | + | M | + | + | M | + | + | + | M | | | 69 |
| Nerve Trigeminal | + | M | M | M | + | + | + | + | + | M | + | M | M | + | + | | | 67 |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89 |
| Axon, Degeneration | | | | | | | | | | 1 | | | | | | | | 9 1.1 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 90 |
| Necrosis | | | | | | | | | | | | | | | | | | 1 1.0 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--------------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 90 |
| Congestion | | | | | | | | | | | | | | | | | | 2 2.5 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 3 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | 6 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 2 | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | 3 | | | | | | | | | | | | | | 6 1.8 |
| Bronchiole, Foreign Body | | | | | | | | | | | | | | | | | | 1 |
| Bronchiole, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | 1 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 90 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | * TOTALS | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|
| | 0
7
0
9 | 0
7
3
0 | 0
7
3
8 | 0
7
3
0 | 0
7
3
6 | 0
3
9
3 | 0
7
2
9 | 0
4
2
0 | 0
7
3
1 | 0
7
3
0 | 0
7
1
1 | 0
7
2
9 | 0
7
3
2 | 0
7
3
6 | | 0
7
3
3 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | 1 2.0 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | 2 | | | | | | | | 5 1.8 |
| Vomeranasal Organ, Fibrosis | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Cornea, Fibrosis | | | | | | | | | | | | | | | | 1 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Lymphocyte | | | | 2 | 2 | | 1 | | | 2 | | | | | | 36 1.3 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Infarct | 2 | | | | | | | | | | | | | | | 7 2.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | 1 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 3 |
| Nephropathy, Chronic Progressive | | 1 | 2 | 1 | 2 | | 2 | | 2 | 1 | | 1 | 1 | 1 | 1 | 74 1.4 |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | 1 |
| Interstitialium, Infiltration Cellular, Lymphocyte | 1 | 2 | | | 1 | | | | | | 2 | 2 | 1 | 1 | | 41 1.6 |
| Pelvis, Dilation | | | | | | | | | | | | | | | | 1 3.0 |
| Renal Tubule, Cyst | X | | | | | | | | | X | | | | | | 8 |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | 1 2.0 |
| Urothelium, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | 2 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Urinary Bladder | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 87 |
| Hemorrhage | | | | | | | 2 | | | | | | | | | | 3 2.0 |
| Infiltration Cellular, Lymphocyte | | 1 | | | | 1 | | | | | | | 1 | 1 | | | 26 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0667 | 0730 | 0573 | 0736 | 0773 | 0772 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0666 | 0666 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | males
(cont...) | |
| | | 367 | 663 | 737 | 336 | 336 | 229 | 226 | 338 | 333 | 333 | 222 | 333 | 333 | 666 | 222 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | | 333 |
| | 2.5 W/kg | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | | 0011 |
| | ANIMAL ID | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | 2211 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder
Inflammation, Acute | + | M | + | + | + | + | + | + | A | + | M | + | + | + | + | M | + | + | + | M | + | M | + | + | + |
| Intestine Large, Cecum | + | + | + | A | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | A | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | X | | X | | | X | X | | | | | X | X | | | X | X | | | X | | X |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | 2 | | | 4 | 2 | 2 | | 2 | | | | | 2 | 1 | | 2 | 2 | | | | 2 | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | 3 | | 3 | | | | | | | | | | | | | | | | 2 | | |
| Bile Duct, Cyst | | | | | | | | | | | X | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0667 | 0730 | 0573 | 0736 | 0073 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0076 | 0066 | 0077 | 0077 | 0073 | 0073 | 0073 | 0077 | 0077 | 0077 | 0073 | 0073 | 0073 | 0073 | 0073 | 0073 | 0073 | 0073 | | |
| | ANIMAL ID | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | | |
| 2.5 W/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) |

Bacteria X
 Cardiomyopathy
 Inflammation, Chronic Active 2
 Thrombus 3
 Artery, Inflammation, Chronic Active
 Endothelium, Hyperplasia
 Myocardium, Hemorrhage 2
 Myocardium, Mineral
 Myocardium, Necrosis 2

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | 2 | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | 2 | 2 | | 2 | | 2 | 2 | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | | 2 | 2 | 1 | 2 | | 2 | 2 | | 2 | 2 | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Islets, Pancreatic | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hyperplasia | | | | | | | | | | 2 | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M | M | + | M | + | M | + | M | + | + | M | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0667 | 0730 | 0573 | 0736 | 0073 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | males (cont...) | | |
| | 2.5 W/kg | ANIMAL ID | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | | 0047 | 0048 |

Thyroid Gland + + + + + + + M +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland
 Cyst
 Bilateral, Inflammation, Chronic Active

Epididymis +
 Granuloma Sperm
 Infiltration Cellular, Lymphocyte 1 1 1 1 1

Preputial Gland M +
 Infiltration Cellular, Lymphocyte 1 2 1 2 2 1 1
 Bilateral, Duct, Dilatation 3 3
 Duct, Dilatation 3 2

Prostate +
 Infiltration Cellular, Lymphocyte
 Inflammation, Acute 2 1

Seminal Vesicle + + + + + + + + M +
 Dilatation
 Inflammation, Chronic Active
 Bilateral, Dilatation 2 2 2 2 3 3 2 2 2 2
 Bilateral, Inflammation, Chronic

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
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 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
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| 2.5 W/kg | 0
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|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Testis | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | + | | | | | | | | | | | | | | | | | | | | |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular Hemorrhage | M | M | + | M | + | + | + | + | + | + | M | M | M | + | + | + | M | + | + | + | M | M | + | M |
| Lymph Node, Mesenteric Erythrophagocytosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + |
| Hemorrhage | 3 | 2 | | | | | | | 3 | | 2 | 2 | | | | | 2 | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Infiltration Cellular, Histiocyte | | | | | | | 2 | | | | 2 | 2 | | | | | | | 2 | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | 3 | 2 | | | | | | | 3 | | 2 | | | | | | 2 | | | | | | 3 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0667 | 0730 | 0573 | 0736 | 0073 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0066 | 0066 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | |
| | ANIMAL ID | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 |
| | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | | 1 | 2 | 1 | 1 | | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| Brain Trigeminal Ganglion | + | + | + | M | M | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--------------------|
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| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
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3 | | |
| Infiltration Cellular, Lymphocyte | | | 1 | 2 | | | 1 | 2 | | | | 1 | | | | | | | | 1 | 1 | | 2 | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bacteria | | X | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | X | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Nephropathy, Chronic Progressive | 3 | | 1 | | 1 | | 1 | 2 | 3 | 1 | 2 | 1 | 3 | 2 | 1 | | | 1 | 1 | 2 | 2 | 1 | 1 | 1 |
| Bilateral, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | | | 2 | | 2 | | 2 | 2 | | 1 | 1 | | 2 | | | 1 | 1 | 2 | | 1 | 2 | 2 | | 1 |
| Renal Tubule, Bacteria | | | | | | | | | | X | | | | | | | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | | | | 1 | 2 | | 2 | | | | | | | | | | | | | | 1 | 1 | 1 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Multifocal | | | | | | | | 2 | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0733 | 0738 | 0618 | 0737 | 0773 | 0613 | 0773 | 0664 | 0773 | 0773 | 0773 | 0773 | 0773 | 0662 | 0665 | 0572 | 0773 | 0773 | 0663 | 0675 | 0732 | 0772 | 0772 | males
(cont...) |
| | 2.5 W/kg | ANIMAL ID | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder
Inflammation, Acute | + | + | + | + | M | A | + | + | + | M | + | + | + | + | + | + | A | A | + | + | M | A | + | M | + |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | X | | X | | X | X | | | X | | X | X | X | | | | | X | | | X | X | |
| Eosinophilic Focus | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Fatty Change | 2 | | | 2 | | 2 | | | | | 2 | | 3 | 3 | | 3 | | | | 2 | | | 3 | | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Necrosis | | | | | | | | | | 4 | | | | | | | | | | | | | 2 | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|--------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|------|
| | 0733 | 0738 | 0613 | 0733 | 0737 | 0673 | 0773 | 0776 | 0673 | 0773 | 0676 | 0773 | 0777 | 0773 | 0773 | 0773 | 0773 | 0662 | 0665 | 0773 | 0773 | 0667 | 0667 | 0773 | 0777 | | | 0777 |
| 2.5 W/kg | 0044 | 0055 | 0066 | 0077 | 0088 | 0099 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | males (cont...) | |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | + | | | | | + | | + | | | + | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | 3 | | | | | 3 | | | | | 3 | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 2 | 2 | | 1 | 2 | 1 | 2 | 2 | | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | | | 2 | 2 | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | + | + | | | | | + | + | | | | | | | | + | | | | | |
| Dysplasia | | | | | | | | 2 | 2 | | | | | 3 | 2 | | | | | | | | 2 | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 5 | 0 | 2 | 3 | 3 | 3 | 5 | 3 | 2 | |
| | 3 | 8 | 8 | 7 | 3 | 7 | 3 | 6 | 0 | 1 | 7 | 1 | 0 | 1 | 3 | 1 | 9 | 3 | 7 | 6 | 7 | 0 | 2 | 9 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |

Bacteria X
 Cardiomyopathy 2
 Inflammation, Chronic Active 2
 Thrombus 3
 Artery, Inflammation, Chronic Active 2
 Endothelium, Hyperplasia 1
 Myocardium, Hemorrhage
 Myocardium, Mineral
 Myocardium, Necrosis 2

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | 1 | 1 | | | | | | | | | | |
| Hypertrophy, Focal | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Subcapsular, Hyperplasia | 1 | 2 | 1 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | 2 | 2 | 2 | 1 | 2 | 2 | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | 2 | | | | | 3 | | | | | | 2 | | 2 | | | | | 2 | | 2 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | + | + | + | M | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | M | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Cyst | | | | | | | | | | | X | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
Time Report Requested: 12:30:15
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | males (cont...) | | | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|
| | | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | | | | |
| 2.5 W/kg | ANIMAL ID | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 5 | 0 | 2 | 3 | 3 | 3 | 5 | 3 | 2 | 2 |
| | | 3 | 8 | 8 | 7 | 3 | 7 | 3 | 6 | 0 | 1 | 7 | 1 | 0 | 1 | 3 | 1 | 9 | 3 | 7 | 6 | 7 | 7 | 9 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |

Testis
Germ Cell, Degeneration +

HEMATOPOIETIC SYSTEM

| | |
|---|---|
| Bone Marrow | + |
| Lymph Node | |
| Iliac, Erythrophagocytosis | |
| Iliac, Hemorrhage | |
| Iliac, Hyperplasia, Lymphoid | |
| Iliac, Infiltration Cellular, Histiocyte | |
| Mediastinal, Infiltration Cellular, Plasma Cell | 2 |
| Lymph Node, Mandibular Hemorrhage | + M + + + M + + + + + + + M M + + + + M + M + M |
| Lymph Node, Mesenteric Erythrophagocytosis | + + + + + + + + + + + + + + M + + + + + + M + + |
| Hemorrhage | 2 |
| Hyperplasia, Lymphoid | |
| Infiltration Cellular, Histiocyte | |
| Infiltration Cellular, Mixed Cell | 2 |
| Infiltration Cellular, Plasma Cell | |
| Spleen | + |
| Extramedullary Hematopoiesis | |
| Hyperplasia, Lymphoid | 2 |
| 3 | |
| 2 | |
| Thymus | + + + + M + + + + + + + + + + + + + + + + + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
3 | 0
7
3
8 | 0
6
1
8 | 0
7
3
7 | 0
7
3
7 | 0
6
1
7 | 0
7
3
3 | 0
7
6
3 | 0
7
3
3 | 0
7
6
3 | 0
7
7
3 | 0
7
7
3 | 0
7
7
3 | 0
7
7
3 | 0
7
6
2 | 0
6
5
0 | 0
7
3
3 | 0
7
3
6 | 0
7
7
3 | 0
6
6
5 | 0
7
7
3 | 0
7
7
2 | 0
7
7
2 | males
(cont...) |
| | ANIMAL ID | 0
0
2
4
4 | 0
0
2
4
5 | 0
0
2
4
6 | 0
0
2
4
8 | 0
0
2
4
9 | 0
0
2
5
0 | 0
0
2
5
1 | 0
0
2
5
2 | 0
0
2
5
3 | 0
0
2
5
4 | 0
0
2
5
5 | 0
0
2
5
7 | 0
0
2
5
8 | 0
0
2
5
9 | 0
0
2
6
0 | 0
0
2
6
1 | 0
0
2
6
2 | 0
0
2
6
3 | 0
0
2
6
4 | 0
0
2
6
5 | 0
0
2
6
6 | 0
0
2
6
7 | 0
0
2
7
1 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|---|--|--|--|---|---|--|---|--|--|--|---|---|--|--|--|---|---|---|--|---|---|---|--|
| Atrophy | | | | | | 4 | | | 3 | | | | | 3 | | | | | | | | 4 | | | |
| Cyst | | X | | | | | X | | | | | | X | | | | | X | X | X | | | | X | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 2 | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | + | M | + | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | 2 | | | | | | | 1 | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Mineral | 2 | 2 | 2 | | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | | 2 | 1 | 1 | 2 | 2 | 1 |
| Brain Trigeminal Ganglion | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0
7 7 6 7 7 6 7 7 6 7 7 7 7 7 6 6 5 7 7 7 6 7 7
3 3 1 3 3 1 3 3 4 3 3 3 3 2 5 0 2 3 3 3 5 3 2 2
3 8 8 7 3 7 3 6 0 1 7 1 0 1 3 1 9 3 7 6 7 7 9 9 | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|
| | | 0
0 0
2 2
4 4 4 4 4 4 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 7 7
4 5 6 7 8 9 0 1 2 3 4 5 7 8 9 0 1 2 3 4 5 6 1 2 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nerve Trigeminal | + | M | + | + | M | + | + | M | M | + | M | + | + | + | M | + | + | + | M | + | M | + | M | M | M | |
| Peripheral Nerve, Sciatic Axon, Degeneration | + | + | + | + | + | + | + | | | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Spinal Cord Degeneration Hemorrhage Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 1 | + | + | + | + | + | + | + | + | + | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung Congestion Hemorrhage Infiltration Cellular, Histiocyte Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye Phthisis Bulbi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 5 | 0 | 2 | 3 | 3 | 3 | 5 | 3 | 2 | 2 | 2 |
| | | 3 | 8 | 8 | 7 | 3 | 7 | 3 | 6 | 0 | 1 | 7 | 1 | 0 | 1 | 3 | 1 | 9 | 3 | 7 | 6 | 7 | 0 | 2 | 9 | 9 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | 1 | | | 2 | | | | | 1 | 1 | 1 | | 1 | | | | 2 | 1 | | | | | | | | |

males (cont...)

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | | 1 | 2 | 1 | | |
| Bilateral, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 2 | 2 | | 1 | 2 | | 2 | | 2 | 2 | 2 | 2 | | 1 | | | 1 | 1 | 2 | | | | | 2 | |
| Renal Tubule, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | 1 | | 2 | | | | 1 | 1 | | | | | | | | | | |
| Inflammation, Acute | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Multifocal | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
7 | 0
5
4
7 | 0
7
2
9 | 0
5
3
3 | 0
7
2
9 | 0
7
0
2 | 0
7
3
7 | 0
7
3
8 | 0
7
3
0 | 0
7
3
0 | 0
7
3
8 | 0
7
3
2 | 0
6
5
6 | 0
6
7
2 | 0
7
3
6 | 0
7
3
1 | 0
0
3
3 | 0
7
3
8 | 0
5
9
4 | 0
7
3
6 | 0
7
3
2 | 0
7
3
3 | 0
7
2
2 | 0
7
2
1 | males
(cont...) |
| | ANIMAL ID | 0
0
2
7
4 | 0
0
2
7
5 | 0
0
2
7
6 | 0
0
2
7
7 | 0
0
2
7
8 | 0
0
2
7
9 | 0
0
2
8
0 | 0
0
2
8
1 | 0
0
2
8
2 | 0
0
2
8
3 | 0
0
2
8
4 | 0
0
2
8
5 | 0
0
2
8
6 | 0
0
2
8
7 | 0
0
2
8
8 | 0
0
2
8
9 | 0
0
2
8
9 | 0
0
2
9
1 | 0
0
2
9
2 | 0
0
2
9
3 | 0
0
2
9
4 | 0
0
2
9
5 | 0
0
2
9
6 | 0
0
2
9
7 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder
Inflammation, Acute | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | M | M | | |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Small, Duodenum | + | A | + | + | + | M | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | M | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Small, Jejunum | + | A | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Clear Cell Focus | X | | X | | X | | X | X | | | X | X | | | | | X | | X | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | X | X | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | 2 | | 2 | 2 | | | 2 | | | 2 | | | | | | | | | | | | | | | | 2 |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Bile Duct, Cyst | | | | | | | | | X | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 0 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 2.5 W/kg | | 3 | 4 | 2 | 3 | 2 | 0 | 3 | 3 | 3 | 3 | 5 | 7 | 3 | 3 | 0 | 3 | 3 | 9 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 9 | 3 | 9 | 2 | 7 | 8 | 0 | 0 | 8 | 2 | 6 | 6 | 1 | 3 | 2 | 8 | 4 | 6 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

males
(cont...)

Hepatocyte, Fatty Change, Focal

Mesentery
 Artery, Inflammation, Chronic Active
 Fat, Hemorrhage
 Fat, Necrosis

+

Pancreas
 Infiltration Cellular, Lymphocyte
 Acinus, Atrophy
 Duct, Cyst

+
 2 1 1

Salivary Glands
 Infiltration Cellular, Lymphocyte

+
 1 1 2 2 2 1 1 2 2 1 1 2 2 2

Stomach, Forestomach
 Hyperkeratosis
 Epithelium, Hyperplasia, Focal
 Epithelium, Hyperplasia, Diffuse

+ + + + + + + + + + + + + + + + + + A + + + + +
 2 2

Stomach, Glandular
 Accumulation, Hyaline Droplet

+ + + + + + + + + + + + A + + + + + + + + + +
 2

Tooth
 Dysplasia

+
 2 2 4 3 2 3 3

CARDIOVASCULAR SYSTEM

Aorta

+ +

Heart

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
7 | 0
5
4
7 | 0
7
2
9 | 0
5
3
3 | 0
7
2
9 | 0
7
0
2 | 0
7
3
7 | 0
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8 | 0
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6 | 0
6
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2 | 0
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6 | 0
7
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3
8 | 0
5
9
4 | 0
7
3
6 | 0
7
3
2 | 0
7
3
3 | 0
7
2
2 | 0
7
3
1 | males
(cont...) |
| | ANIMAL ID | 0
0
2
7
4 | 0
0
2
7
5 | 0
0
2
7
6 | 0
0
2
7
8 | 0
0
2
7
9 | 0
0
2
8
0 | 0
0
2
8
1 | 0
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7 | 0
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8 | 0
0
2
9
9 | |

Bacteria
 Cardiomyopathy
 Inflammation, Chronic Active
 Thrombus
 Artery, Inflammation, Chronic Active
 Endothelium, Hyperplasia
 Myocardium, Hemorrhage
 Myocardium, Mineral
 Myocardium, Necrosis

1

1 2

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | | 1 | 2 | 2 | 1 | 2 | 2 | 1 | | 2 | | 1 | 2 | 2 | 2 | | 2 | | 2 | 2 | 2 | 2 | | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | 2 | | 3 | | 2 | | | | | 2 | | | | | | | | | | 2 | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Parathyroid Gland | M | + | + | + | + | + | + | M | + | + | M | M | + | + | + | + | | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | X | | | | | | | X | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
| | | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | 0737 |
| 2.5 W/kg | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Thyroid Gland +

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coagulating Gland
Cyst
Bilateral, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Granuloma Sperm
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 1 | | | | | | | | | 1 | | | | | | | | | | 2 | | | 2 |
| Preputial Gland
Infiltration Cellular, Lymphocyte
Bilateral, Duct, Dilation
Duct, Dilation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | 1 | | 2 | | | | 2 | | | | | | | | | 1 | 1 | | | 2 |
| | | | | | | 3 | | | | | | | | | | | | | | 2 | 2 | | |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Acute | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation
Bilateral, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | 2 | | | | | | | | | | | | 2 |
| | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | | | | 3 | 3 | | | | | 3 | | | 3 | | | 3 | | | | 2 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | ANIMAL ID | 0 | males (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|---|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 7 3 7 | 5 4 7 | 7 2 9 | 0 3 3 | 5 2 9 | 7 0 2 | 7 3 7 | 7 3 8 | 7 3 0 | 7 3 3 | 7 3 5 | 7 3 6 | 7 6 2 | 7 6 6 | 7 7 3 | 7 7 3 | 7 0 3 | 7 3 8 | 7 5 4 | 7 7 6 | | | | 7 7 2 | 7 7 3 | 7 7 2 | 7 7 3 | 7 7 2 | 7 7 3 | 7 7 1 | 0 2 4 | 0 2 5 | 0 2 6 | 0 2 7 | 0 2 8 | 0 2 9 | 0 8 0 | 0 8 1 | 0 8 2 | 0 8 3 | 0 8 4 | 0 8 5 | 0 8 6 | 0 8 7 | 0 8 8 | 0 8 9 | 0 9 1 | 0 9 2 | 0 9 3 | 0 9 4 |

Testis
Germ Cell, Degeneration

+ +

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node

+ +

Iliac, Erythrophagocytosis

Iliac, Hemorrhage

2

Iliac, Hyperplasia, Lymphoid

2

Iliac, Infiltration Cellular, Histiocyte

2

Mediastinal, Infiltration Cellular, Plasma Cell

Lymph Node, Mandibular
Hemorrhage

+ + + + + M + + M + M M M M + + + + + + + +

Lymph Node, Mesenteric
Erythrophagocytosis

+ + + M + + + + + + + + M + + + + + + M + + +

Hemorrhage

2

Hyperplasia, Lymphoid

2

Infiltration Cellular, Histiocyte

2

Infiltration Cellular, Mixed Cell

2

Infiltration Cellular, Plasma Cell

3

Spleen

+ +

Extramedullary Hematopoiesis

3

Hyperplasia, Lymphoid

2

2

2

Thymus

+ + + + + + + M + + I + + + + + + + + M + + +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0737 | 0547 | 0723 | 0532 | 0770 | 0773 | 0773 | 0773 | 0773 | 0773 | 0667 | 0667 | 0773 | 0773 | 0003 | 0773 | 0559 | 0773 | 0773 | 0773 | 0773 | males
(cont...) |
| | ANIMAL ID | 0074 | 0075 | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | |

| | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|---|--|--|---|
| Atrophy | | 4 | | | | | | | | | | | | 3 | | | | | 3 | | | 3 |
| Cyst | X | | | | X | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 1 | 1 | 2 | 1 | 2 | 2 | 1 | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | | 2 |
| Brain Trigeminal Ganglion | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

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Date Report Requested: 08/24/2017

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| | 0
7
3
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3
2 | 0
7
3
3 | 0
7
2
2 | 0
7
2
3 | 0
7
3
1 | | |
| 2.5 W/kg | 0
0
2
7
4 | 0
0
0
7
5 | 0
0
2
7
6 | 0
0
2
7
7 | 0
0
2
7
8 | 0
0
2
7
9 | 0
0
2
8
0 | 0
0
2
8
1 | 0
0
2
8
2 | 0
0
2
8
3 | 0
0
2
8
4 | 0
0
2
8
5 | 0
0
2
8
6 | 0
0
2
8
7 | 0
0
2
8
8 | 0
0
2
8
9 | 0
0
2
9
1 | 0
0
2
9
2 | 0
0
2
9
3 | 0
0
2
9
4 | 0
0
2
9
5 | 0
0
2
9
6 | 0
0
2
9
7 | 0
0
2
9
8 | 0
0
2
9
9 | 0
0
2
9
9 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|
| Nerve Trigeminal | + | M | + | + | M | + | M | M | + | M | M | + | M | + | M | M | | | + | M | M | M | + | + | M | + |
| Peripheral Nerve, Sciatic Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | | + | + | + | + | + | + | + | + |
| Spinal Cord Degeneration Hemorrhage Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|---|---|---|---|---|---|---|
| Lung Congestion Hemorrhage Infiltration Cellular, Histiocyte Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|---|---|---|---|---|---|---|
| Eye Phthisis Bulbi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |
| Harderian Gland Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|------------------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|---|---|---|--|
| | 0737 | 0754 | 0772 | 0753 | 0772 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0766 | 0766 | 0777 | 0777 | 0700 | 0777 | 0777 | 0755 | 0777 | 0777 | 0777 | 0777 | | | | | | |
| 2.5 W/kg | 00747 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | 00007 | | | | | | |
| | ANIMAL ID | 00745 | 00006 | 00007 | 00008 | 00009 | 00000 | 00001 | 00002 | 00003 | 00004 | 00005 | 00006 | 00007 | 00008 | 00009 | 00001 | 00002 | 00003 | 00004 | 00005 | 00006 | 00007 | 00008 | 00009 | | | | |
| | Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | | | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | | 1 | | | | | | | | | | 1 | 2 | 2 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | X | | | | | | | | | | | | | | X | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | | 1 | | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | | | 3 | 1 | | 2 | 1 | | 1 | 1 | 2 | | | | | | 2 |
| Bilateral, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | | 2 | 2 | | 1 | | 2 | 1 | 2 | 2 | 2 | 1 | | | 1 | 2 | 1 | | 2 | 2 | | 1 | 1 | 2 | | | | | 2 |
| Renal Tubule, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 1 | | | | | | 2 | 1 | | | 2 | | | 1 | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia, Multifocal | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Experiment Number: 20105 - 78

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| 2.5 W/kg | ANIMAL ID | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 | |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 87 |
| Gallbladder | + | M | + | + | + | + | + | + | + | + | A | M | + | M | + | | 66 |
| Inflammation, Acute | | | | | | 2 | | | | | | | | | | | 1 2.0 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | | 77 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | 83 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 85 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | 77 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | 79 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 1 3.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | 79 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 |
| Basophilic Focus | | | | | | | | | | | | | | | | | 2 |
| Clear Cell Focus | X | | | | | | | | | X | X | | | | | | 34 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | 4 |
| Extramedullary Hematopoiesis | | | | 1 | | | | | | | | | | | | | 2 1.0 |
| Fatty Change | | | | | 2 | 2 | | | | 3 | 2 | | 2 | | 2 | | 31 2.2 |
| Inflammation, Focal | | | | 1 | | | | | | | | | | | | | 1 1.0 |
| Mixed Cell Focus | | | | | | | X | | | | | X | | | | | 3 |
| Necrosis | | | | | | | | | | | | | | | | | 6 3.0 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|--|--|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | | | |
| | | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 | | | |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | | | | | | | | | | | | * TOTALS | | | |

Hepatocyte, Fatty Change, Focal

1 1.0

Mesentery
Artery, Inflammation, Chronic Active
Fat, Hemorrhage
Fat, Necrosis

+ + +
3 2 2

14
1 2.0
1 3.0
11 2.8

Pancreas
Infiltration Cellular, Lymphocyte
Acinus, Atrophy
Duct, Cyst

+ + + + + + + + + + + + + + +
3

88
5 1.4
1 3.0
2

Salivary Glands
Infiltration Cellular, Lymphocyte

+ + + + + + + + + + + + + + +
2 2 2 1 1 1 2 1

89
59 1.6

Stomach, Forestomach
Hyperkeratosis
Epithelium, Hyperplasia, Focal
Epithelium, Hyperplasia, Diffuse

+ + + + + + + + + + + + + + +
2 3 2

87
1 2.0
2 2.5
1 2.0

Stomach, Glandular
Accumulation, Hyaline Droplet

+ + + + + + + + + + + + + + +

86
2 2.0

Tooth
Dysplasia

+ + + + + + + + + + + + + + +
2 2 2 3 2

26
26 2.6

CARDIOVASCULAR SYSTEM

Aorta

+ + + + + + + + + + + + + + +

89

Heart

+ + + + + + + + + + + + + + +

89

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 20105 - 78

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| 2.5 W/kg | ANIMAL ID | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 2 | 9 | 6 | 3 | 2 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|-----|
| Bacteria | | | | | | | | | | | | | | | | | | 2 | |
| Cardiomyopathy | | | | | | | | | 1 | | | | | | | | | 2 | 1.5 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Thrombus | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Myocardium, Hemorrhage | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | 2 | 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|----|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 89 | |
| Hyperplasia, Focal | | | | | | | | 2 | | | | | | | | | | | 1 | 2.0 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | 8 | 1.9 |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | 2 | | | | | | | | | 5 | 2.0 |
| Subcapsular, Hyperplasia | | | | | | | | | | | | | | | | | | | 72 | 1.7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 88 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 88 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | 20 | 2.4 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Parathyroid Gland | + | M | + | M | M | + | M | + | + | + | M | + | + | + | | | | | 68 | |
| Cyst | | | | | | | | | | | | | | | | | | | | 2 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | 85 | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | 4 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | 2 | 1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Lab: IIT

| | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | |

Thyroid Gland

+ + + + + + + + + + + + + + +

88

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

2

Cyst

1

Bilateral, Inflammation, Chronic Active

1 3.0

Epididymis

89

Granuloma Sperm

1 2.0

Infiltration Cellular, Lymphocyte

17 1.1

Preputial Gland

88

Infiltration Cellular, Lymphocyte

32 1.5

Bilateral, Duct, Dilation

2 3.0

Duct, Dilation

6 2.3

Prostate

87

Infiltration Cellular, Lymphocyte

3 1.7

Inflammation, Acute

1 2.0

Seminal Vesicle

88

Dilation

4 2.3

Inflammation, Chronic Active

1 3.0

Bilateral, Dilation

26 2.5

Bilateral, Inflammation, Chronic

1 3.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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| | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| 2.5 W/kg | | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 | |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | 1 2.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Lymph Node | | | | | | | | | | | | | | | | | 8 |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | | 1 2.0 |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | 1 2.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 1 2.0 |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 2 2.0 |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | 1 2.0 |

| | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Lymph Node, Mandibular | + | + | M | M | + | + | + | M | M | M | + | + | + | + | + | + | 61 |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 2.0 |

| | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 82 |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | 5 2.2 |
| Hemorrhage | | | | | | | | | | | | | | | | | 11 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 7 2.1 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | 1 3.0 |

| | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | 15 2.3 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 2.5 |

| | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | 83 |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| 2.5 W/kg | ANIMAL ID | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 9 | 3 | 3 |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 | 3 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|---|---|--|---|---|--|--|--|--|--|--|--|----|-----|
| Atrophy | | | | | | | 3 | 4 | | | | | | | | | | | 16 | 3.3 |
| Cyst | | | | | | | | | | X | X | | | | | | | | 16 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|---|-----|
| Mammary Gland | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | | 5 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | | |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | 2 | 4.0 |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|---|-----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 88 | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|-----|-----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Mineral | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | | | 1 | 2 | 2 | | | 81 | 1.6 | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 79 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|--|--|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | | | |
| | | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 | | | |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | | | | | | | | | | | | * TOTALS | | | |

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---------------------------|
| Nerve Trigeminal | + | M | + | + | + | + | + | M | + | + | + | + | M | + | + | | | 53 |
| Peripheral Nerve, Sciatic Axon, Degeneration | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | | | 89
9 1.1 |
| Spinal Cord Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89
1 1.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 1 1.0 |
| Necrosis | | | | | | | | | | | | | | | | | | 1 2.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---------------------------|
| Lung Congestion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89
2 2.0 |
| Hemorrhage | | | | | | | | | | | | | | 2 | | | | 5 1.6 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 8 1.6 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---------------------------|
| Eye Phthisis Bulbi | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89
1 |
| Harderian Gland Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 89
1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|----------|
| | ANIMAL ID | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 0 | 3 | 3 | 7 | 9 | 3 | 2 | 2 | 6 | 3 | 2 | 3 | 3 | |
| | | 7 | 6 | 1 | 7 | 2 | 7 | 4 | 0 | 0 | 9 | 6 | 3 | 2 | 9 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 | |
| | | | | | | | | | | | | | | | | | 36 1.3 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Bacteria | | | | | | | | | | | | | | | | | 1 |
| Infarct | | | | | | | | | | | 2 | | 2 | | | | 4 1.8 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 2.0 |
| Metaplasia, Osseous | | | X | | | | | | X | | X | | | | | | 6 |
| Mineral | 1 | | | | | | | | | | | | | | | | 2 1.0 |
| Nephropathy, Chronic Progressive | 1 | 1 | 1 | | 1 | 3 | | 1 | 1 | 2 | | | 3 | 2 | 1 | | 66 1.4 |
| Bilateral, Bacteria | | | | | | | | | | | | | | | | | 1 |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | 1 2.0 |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | 1 2.0 |
| Interstitial, Infiltration Cellular, Lymphocyte | | 1 | 1 | | 2 | | | | 1 | | | | | | | | 50 1.6 |
| Renal Tubule, Bacteria | | | | | | | | | | | | | | | | | 1 |
| Renal Tubule, Cyst | | | | | | | | | | | | X | | | | | 3 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | | | | | | 1 | | 20 1.3 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 2.0 |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | 1 3.0 |
| Transitional Epithelium, Hyperplasia, Multifocal | | | | | | | | | | | | | | | | | 2 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 20105 - 78

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0736 | 0739 | 0777 | 0778 | 0773 | 0776 | 0772 | 0770 | 0771 | 0773 | 0773 | 0779 | 0779 | 0533 | 0723 | 0723 | 0727 | 0727 | 0665 | 0773 | 0773 | 0663 | 0773 | 0663 |
| | ANIMAL ID | 00421 | 00422 | 00423 | 00424 | 00425 | 00426 | 00427 | 00428 | 00429 | 00430 | 00431 | 00432 | 00433 | 00434 | 00435 | 00436 | 00437 | 00438 | 00439 | 00440 | 00441 | 00442 | 00443 | 00444 |

males (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | M | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | 3 | | | | | | | | | | | | | | | | | | 2 | | | |
| Basophilic Focus | | | | | | | | | | | | | X | | | | | | | | | | | X | |
| Clear Cell Focus | X | | X | X | X | | X | | X | X | | X | | | X | | | X | X | X | | | | X | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | 3 | | | | | | | | | | 2 | | 2 | 3 | | 2 | 1 | 2 | | | 2 | 2 | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | X | | | | | X | | | | X | | | | X | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X .. Lesion present

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Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|--------------------|
| | | 0736 | 0739 | 0773 | 0778 | 0778 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 5 W/kg | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Bile Duct, Cyst

Mesentery

Fat, Mineral

Fat, Necrosis

Pancreas

Infiltration Cellular, Lymphocyte

Salivary Glands

Infiltration Cellular, Lymphocyte

Stomach, Forestomach

Cyst, Squamous

Infiltration Cellular, Lymphocyte

Inflammation, Chronic

Epithelium, Hyperplasia, Focal

Stomach, Glandular

Tooth

Dysplasia

Inflammation, Suppurative

CARDIOVASCULAR SYSTEM

Aorta

Heart

Cardiomyopathy

Myocardium, Mineral

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
6 | 0
7
3
9 | 0
7
3
7 | 0
7
3
9 | 0
7
3
8 | 0
7
3
7 | 0
7
3
6 | 0
7
3
2 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
7
3
3 | 0
7
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3 | 0
7
3
3 | 0
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3 | 0
7
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2 | 0
7
3
3 | 0
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3
5 | 0
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3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
6 | 0
7
3
3 | 0
7
3
0 | |
| | 5 W/kg | ANIMAL ID | 0
0
4
2
1 | 0
0
4
2
2 | 0
0
4
2
2 | 0
0
4
2
2 | 0
0
4
2
2 | 0
0
4
2
2 | 0
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4
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2 | 0
0
4
2
2 | 0
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0 | 0
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4
3
1 | 0
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4
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2 | 0
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3 | 0
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3 | 0
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3 | 0
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4
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3 | 0
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3 | 0
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3 | 0
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4
3
4 | 0
0
4
3
4 | 0
0
4
3
4 | 0
0
4
3
4 | 0
0
4
4
4 | 0
0
4
4
4 | |

males (cont...)

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | M | + | M | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | M | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|--------------------|
| | 0
7
3
6 | 0
7
3
9 | 0
7
3
7 | 0
7
3
9 | 0
7
3
8 | 0
7
3
3 | 0
7
3
7 | 0
7
3
6 | 0
7
3
2 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
7
3
3 | 0
7
3
3 | 0
7
3
9 | 0
5
0
3 | 0
7
2
9 | 0
7
2
9 | 0
7
2
7 | 0
7
3
3 | 0
6
5
4 | 0
7
3
6 | 0
7
3
7 | 0
6
3
0 | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Granuloma Sperm
Infiltration Cellular, Lymphocyte | 1 | | | 1 | | | | 2 | | | | 1 | | | | | | 2 | | | 1 | | | | 1 | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | 2 | | | | 2 | | | 1 | | | | | | | 2 | | | | | | 2 | | |
| Inflammation, Chronic Active
Bilateral, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Bilateral, Duct, Dilation
Duct, Dilation | 2 | 3 | | | | | | 3 | | | | | 2 | | | | | 2 | | | 3 | | | | 3 | | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Dilation | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Bilateral, Dilation
Bilateral, Inflammation, Chronic | | | | | | | | 2 | | | | 2 | 3 | | | | 2 | | | | 2 | | | | 2 | | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 5 W/kg | ANIMAL ID | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 5 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | | 6 | 9 | 7 | 9 | 8 | 3 | 7 | 6 | 2 | 0 | 1 | 0 | 9 | 9 | 3 | 9 | 1 | 9 | 9 | 2 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |

males
(cont...)

Iliac, Infiltration Cellular, Histiocyte
 Iliac, Pigment
 Pancreatic, Hyperplasia, Lymphoid
 Renal, Hemorrhage
 Renal, Hyperplasia, Lymphoid

2
2

Lymph Node, Mandibular

+ + + + + I + + + M + M + + + + + + I + + + + M

Lymph Node, Mesenteric
 Erythrophagocytosis
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Plasma Cell

+ + + + + + + + + + + + + + + + + + M + + +
 2
2
3

Spleen
 Extramedullary Hematopoiesis
 Hyperplasia, Lymphoid
 White Pulp, Atrophy

+ + + + + + + + + + + + + + + + + + A + + +
 2
2 2 3

Thymus
 Atrophy
 Cyst
 Hemorrhage

+ + + + + + + + + + M + + + + + + + + + + + M
 X X
 X X X X X X X X

INTEGUMENTARY SYSTEM

Mammary Gland

M M

Skin
 Ulcer

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|--|--|--|--|
| B6C3F1 MICE MALE | 5 W/kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | | | | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 2 | 3 | 2 | 3 | 5 | 3 | 3 | 3 | | | | | | | |
| | | 6 | 9 | 7 | 9 | 8 | 3 | 7 | 6 | 2 | 0 | 1 | 0 | | | | | | | | 4 | 6 | 7 | 0 | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | males (cont...) | | | | |

Subcutaneous Tissue, Inflammation,
Granulomatous

MUSCULOSKELETAL SYSTEM

Bone +
Increased Bone 1

Skeletal Muscle +
Infiltration Cellular, Lymphocyte 1 2 1

NERVOUS SYSTEM

Brain +
Mineral 1 2 1 1 2 2 2 2 1 2 2 2 2 1 2 + + 2 2 2 1 2 2 2
Squamous Cyst X

Brain Trigeminal Ganglion + + M M + + + M + + + M + + M M + + + + + + + +

Nerve Trigeminal M + + M + M + + + M M M + M + + M + + + + M + + +

Peripheral Nerve, Sciatic +
Axon, Degeneration 1 1

Spinal Cord +
Cyst, Squamous
Artery, Meninges, Inflammation, Chronic Active 1

RESPIRATORY SYSTEM

Lung +
Congestion

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0736 | 0739 | 0737 | 0738 | 0733 | 0736 | 0732 | 0730 | 0731 | 0730 | 0733 | 0739 | 0739 | 0733 | 0731 | 0739 | 0739 | 0737 | 0732 | 0733 | 0735 | 0736 | 0737 | 0733 | 0730 |
| | ANIMAL ID | 00421 | 00422 | 00423 | 00424 | 00425 | 00426 | 00427 | 00428 | 00429 | 00430 | 00431 | 00432 | 00433 | 00434 | 00435 | 00436 | 00437 | 00438 | 00439 | 00440 | 00441 | 00442 | 00443 | 00444 | 00445 |

males
(cont...)

Hemorrhage

Infiltration Cellular, Histiocyte

Infiltration Cellular, Lymphocyte

Alveolar Epithelium, Hyperplasia, Focal

3

2

Mediastinum

Nose

Trachea

+ +

+ +

SPECIAL SENSES SYSTEM

Eye

Phthisis Bulbi

Optic Nerve, Degeneration

Retina, Degeneration

+ +

Harderian Gland

Hyperplasia, Focal

Infiltration Cellular, Lymphocyte

+ +

2

1

2

1

1

1

1

2

URINARY SYSTEM

Kidney

Infarct

Metaplasia, Osseous

Nephropathy, Chronic Progressive

Interstitial, Infiltration Cellular, Lymphocyte

Renal Tubule, Cyst

+ +

2

X

1

1

1

1

1

1

2

1

1

1

1

1

1

1

1

1

2

1

2

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1

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2

2

1

2

2

1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | | 6 | |
| | 5 W/kg | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 2 | 3 | 2 | 2 | 3 | 3 | 5 | 3 | 3 | 3 | 5 | 3 | | 3 | |
| ANIMAL ID | 6 | 9 | 7 | 9 | 8 | 3 | 7 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 4 | 5 | 5 | | |

Urinary Bladder
Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 2 | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 2 | 2 | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
| | 0738 | 0731 | 0729 | 0733 | 0722 | 0739 | 0771 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | |
| | 0044 | 0044 | 0044 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | 0045 | |

Bile Duct, Cyst

Mesentery

Fat, Mineral

Fat, Necrosis

Pancreas

Infiltration Cellular, Lymphocyte

Salivary Glands

Infiltration Cellular, Lymphocyte

Stomach, Forestomach

Cyst, Squamous

Infiltration Cellular, Lymphocyte

Inflammation, Chronic

Epithelium, Hyperplasia, Focal

Stomach, Glandular

Tooth

Dysplasia

Inflammation, Suppurative

CARDIOVASCULAR SYSTEM

Aorta

Heart

Cardiomyopathy

Myocardium, Mineral

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|-----------------|
| | 0738 | 0731 | 0729 | 0733 | 0722 | 0739 | 0771 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 5 W/kg | 004446 | 004446 | 004446 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | 004445 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|--|---|--|--|---|---|--|---|--|---|---|--|---|--|---|---|--|---|
| Epididymis | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | | 1 | | | | | | | | | | | | | 1 | 2 | | 1 | | | 1 | | |
| Preputial Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 2 | 2 | 1 | | 2 | 1 | | 2 | | | 2 | | | 2 | | | | | | | 2 | | | 1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Duct, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilation | 3 | | 3 | | 3 | 3 | | | 2 | | | 2 | 3 | | | | | | | | | | | | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 1 | | 2 | | | 1 | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | |
| Bilateral, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testis | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone Marrow | + | | | | | | | | | | | | | | | | | | | | | | | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| B6C3F1 MICE MALE | 5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|------------------|--------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 2 | 6 | 7 | | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | |
| | 6 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 9 | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 3 | 4 | 5 | 6 | 9 | 0 | 1 | |

Subcutaneous Tissue, Inflammation,
Granulomatous

MUSCULOSKELETAL SYSTEM

Bone +
Increased Bone

Skeletal Muscle +
Infiltration Cellular, Lymphocyte 1

NERVOUS SYSTEM

Brain +
Mineral 1 2 2 1 1 1 2 1 2 1 2 2 2 2 1 1 2 1 1 2 1 2 2
Squamous Cyst

Brain Trigeminal Ganglion + + + M + + M + + + + + M + + + + + M + + + + M

Nerve Trigeminal + + M + + M + + + + + M + + + + + M + + M + +

Peripheral Nerve, Sciatic +
Axon, Degeneration 1 1 3 1

Spinal Cord +
Cyst, Squamous 1
Artery, Meninges, Inflammation, Chronic Active

RESPIRATORY SYSTEM

Lung +
Congestion 2 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0731 | 0723 | 0773 | 0771 | 0777 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0676 | 0777 | 0777 | 0777 | 0676 | 0777 | 0777 | 0777 |
| | 5 W/kg | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 |
| | ANIMAL ID | 68 | 89 | 00 | 02 | 03 | 04 | 05 | 07 | 09 | 11 | 12 | 13 | 14 | 15 | 16 | 18 | 19 | 23 | 24 | 25 | 26 | 27 | 28 |

males (cont...)

Hemorrhage
 Infiltration Cellular, Histiocyte
 Infiltration Cellular, Lymphocyte
 Alveolar Epithelium, Hyperplasia, Focal

1

2

Mediastinum

Nose

+ +

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
 Phthisis Bulbi
 Optic Nerve, Degeneration
 Retina, Degeneration

+ +

Harderian Gland
 Hyperplasia, Focal
 Infiltration Cellular, Lymphocyte

+
 1 1 2 2 1

2

URINARY SYSTEM

Kidney
 Infarct
 Metaplasia, Osseous
 Nephropathy, Chronic Progressive
 Interstitium, Infiltration Cellular, Lymphocyte
 Renal Tubule, Cyst

+
 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 1 3 1 1 1 1
 2 2 1 2 2 2 1 2 2 2 2 1 2 1 2 1 2 1 1 1
 X

1

X

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 078 | 073 | 072 | 073 | 072 | 073 | 076 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 076 | 077 | 077 | 077 | 077 | 076 | 077 | 077 | 077 | males
(cont...) |
| | 5 W/kg | ANIMAL ID | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | 004 | |
| | | 004 | 004 | 004 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 006 | 006 | 006 | 006 | 006 | 007 | 007 | 007 | 007 | 007 | 008 | 008 | 008 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | 1 | | | | | | | | | 1 | | | | 1 | | 1 | | | 2 | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | 5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 3 | 4 | 2 | 7 | 2 | 3 | 9 | 3 | 9 | 2 | 0 | 0 | 2 | 8 | 0 | 9 | 0 | 1 | 0 | 6 | 8 | 6 | 1 | 0 | 0 | 0 | 2 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | | |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + |
| Gallbladder | + | + | A | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | X | | | | | | | | X | | | | | | | | | | |
| Clear Cell Focus | X | | | X | X | | X | | X | X | | | | X | X | X | X | X | | | | X | | X | X | X |
| Eosinophilic Focus | X | | | | | | X | | | | | | | | | X | | | | | | | | | | |
| Extramedullary Hematopoiesis | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | 2 | | 1 | | | | | | | | 2 | 2 | | 3 | | 2 | | | | 2 | 3 | | 2 | | 2 | 2 |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mixed Cell Focus | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------|-------------|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 W/kg | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 4 | 2 | 7 | 2 | 3 | 9 | 3 | 9 | 2 | 0 | 0 | 2 | 8 | 0 | 9 | 0 | 1 | 0 | 6 | 8 | 6 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 7 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 2 | 2 | 1 | 1 | | 1 | 2 | 2 | | 2 | | 2 | 2 | | 2 | 2 | 1 | 1 | 2 | 2 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Squamous | X | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aorta | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | 1 | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
3 | 0
6
0
4 | 0
6
8
2 | 0
7
3
7 | 0
7
3
2 | 0
7
3
3 | 0
7
3
9 | 0
7
3
3 | 0
7
3
2 | 0
7
3
0 | 0
7
3
0 | 0
7
3
2 | 0
7
3
8 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
7
3
6 | 0
7
3
8 | 0
7
3
6 | 0
7
3
1 | 0
7
3
3 | 0
7
3
0 | 0
7
3
2 | males
(cont...) | |
| | 5 W/kg | 0
0
4
8
3 | 0
0
4
8
4 | 0
0
4
8
5 | 0
0
4
8
8 | 0
0
4
8
9 | 0
0
4
8
0 | 0
0
4
9
1 | 0
0
4
9
2 | 0
0
4
9
3 | 0
0
4
9
4 | 0
0
4
9
5 | 0
0
4
9
6 | 0
0
4
9
7 | 0
0
4
9
8 | 0
0
4
9
9 | 0
0
5
0
0 | 0
0
5
0
1 | 0
0
5
0
2 | 0
0
5
0
4 | 0
0
5
0
5 | 0
0
5
0
6 | 0
0
5
0
7 | 0
0
5
0
8 | | 0
0
5
0
9 |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | 3 | |
| Hypertrophy, Focal | | | | | | | | | | | 2 | | | | | 1 | | | | | | | 1 | | |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | | 2 | 1 | 2 | | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | 2 | 1 | |
| Adrenal Medulla | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | 3 | | | | | | | | | 2 | | | 1 | | | | | | | 2 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | + | + | |
| Cyst | | | | | | X | | | | | | | | | | | | | | | | | X | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | |
| Pars Distalis, Cyst | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | | | | |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|--|--|--|--|
| | 0
7
3
3 | 0
6
0
4 | 0
6
8
2 | 0
7
3
7 | 0
7
3
2 | 0
7
3
3 | 0
7
3
9 | 0
7
3
3 | 0
7
3
9 | 0
7
3
2 | 0
7
3
0 | 0
7
3
0 | 0
7
3
2 | 0
7
3
8 | 0
7
3
0 | 0
7
3
1 | 0
7
3
0 | 0
7
3
6 | 0
7
3
8 | 0
7
3
6 | | | 0
7
3
1 | 0
7
3
3 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | | | | | |
| Epididymis | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 2 | 1 | 1 | 1 | 1 | 2 | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | | | | | | | | |
| Inflammation, Chronic Active | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hyperplasia | | | | | | | | | | | 2 | | 2 | | 3 | | | | | | | | | | | | | | | | | | |
| Bilateral, Duct, Dilation | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilation | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | | | | | | | | | | | 2 | | | | | | | | | | | 3 | | | | | | | | | | | |
| Bilateral, Dilation | 3 | | | | 3 | | | | | | | | | | | | | | 2 | | 2 | | 3 | | | | | | | | | | |
| Bilateral, Inflammation, Chronic | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Testis | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|
| Bone Marrow | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | | | | | | | | + | | | | | | | | + | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) |
|----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | 3 | 4 | 2 | 7 | 2 | 3 | 9 | 3 | 9 | 2 | 0 | 0 | 2 | 8 | 0 | 9 | 0 | 1 | 0 | 0 | 6 | 8 | 6 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | | |
| | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 7 | | |

Iliac, Infiltration Cellular, Histiocyte
Iliac, Pigment
Pancreatic, Hyperplasia, Lymphoid
Renal, Hemorrhage
Renal, Hyperplasia, Lymphoid

2

3

2

3

Lymph Node, Mandibular

+ + + + + + + M + + + + M M + M + M + + + + + + + +

Lymph Node, Mesenteric

+ +

Erythrophagocytosis

1

Hemorrhage

4

2

Hyperplasia, Lymphoid

3

Infiltration Cellular, Histiocyte

2 2

2

Infiltration Cellular, Plasma Cell

Spleen

+ +

Extramedullary Hematopoiesis

2

3

Hyperplasia, Lymphoid

2

3

2

White Pulp, Atrophy

2

Thymus

+ + + + M M M M + + + + + + + + + + + + + + + M

Atrophy

3

Cyst

X

X

X

X

X

Hemorrhage

INTEGUMENTARY SYSTEM

Mammary Gland

M + M M M

Skin

+ +

Ulcer

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

Experiment Number: 20105 - 78

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Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7 | 0
6 | 0
6 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | |
| 5 W/kg | ANIMAL ID | 3
3 | 0
4 | 8
2 | 3
7 | 3
2 | 3
3 | 3
9 | 3
3 | 3
9 | 3
2 | 3
0 | 3
0 | 3
2 | 3
8 | 3
0 | 3
1 | 3
0 | 3
6 | 3
8 | 3
6 | 3
1 | 3
0 | 3
0 | 3
0 | 3
0 | 3
0 | 3
0 | |
| | | 0
0
4
8
3 | 0
0
4
8
4 | 0
0
4
8
5 | 0
0
4
8
7 | 0
0
4
8
8 | 0
0
4
8
9 | 0
0
4
9
0 | 0
0
4
9
1 | 0
0
4
9
2 | 0
0
4
9
3 | 0
0
4
9
4 | 0
0
4
9
5 | 0
0
4
9
6 | 0
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4
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7 | 0
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4
9
8 | 0
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4
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9 | 0
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5
9
0 | 0
0
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9
1 | 0
0
5
9
2 | 0
0
5
9
3 | 0
0
5
9
4 | 0
0
5
9
5 | 0
0
5
9
6 | 0
0
5
9
7 | 0
0
5
9
8 | 0
0
5
9
9 | males
(cont...) | |

Subcutaneous Tissue, Inflammation, Granulomatous

4

MUSCULOSKELETAL SYSTEM

Bone +
Increased Bone

Skeletal Muscle +
Infiltration Cellular, Lymphocyte 1

NERVOUS SYSTEM

Brain +
Mineral 2 1 1 2 2 2 1 2 1 2 2 2 1 2 1 1 1 1 1 2 2 2 2 2 2 2
Squamous Cyst

Brain Trigeminal Ganglion + + M + + + + M + + M + M + + + + M + + M + + + +

Nerve Trigeminal + + + + + + + + + M M M M + M M + + + + + + + +

Peripheral Nerve, Sciatic +
Axon, Degeneration 1 1

Spinal Cord +
Cyst, Squamous
Artery, Meninges, Inflammation, Chronic Active

RESPIRATORY SYSTEM

Lung +
Congestion 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
Time Report Requested: 12:30:15
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) |
| | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| 8 | | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | 2 | | | 2 | | | | | 1 | | | | | 2 | | | 1 | | 1 | | 1 | | 2 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
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Date Report Requested: 08/24/2017
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 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 W/kg | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 8 | 3 | 7 | 3 | 2 | 8 | 1 | 6 | 2 | 8 | 8 | 8 | 0 | 3 | 5 | 4 | 5 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | 74 |
| Intestine Large, Cecum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Colon | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Intestine Large, Rectum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Small, Duodenum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Intestine Small, Ileum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | 4 |
| Clear Cell Focus | X | X | | | X | | | | | | X | X | | | | | | | | 41 |
| Eosinophilic Focus | | | | | | | | X | | | | | | | | | | | | 8 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Fatty Change | | | | 2 | | 2 | | | 2 | | | | 2 | 1 | | | | | | 35 2.1 |
| Inflammation, Focal | | | | | | | | | | 1 | | | | | | | | | | 3 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | 7 |
| Necrosis | | | | | 3 | | | | | | | | | | | | 2 | | | 4 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Date Report Requested: 08/24/2017

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|
| | 0
7
3
8 | 0
7
3
3 | 0
7
3
7 | 0
7
3
3 | 0
7
3
3 | 0
7
3
2 | 0
7
3
8 | 0
7
3
1 | 0
7
3
6 | 0
7
3
2 | 0
7
3
8 | 0
7
3
8 | 0
7
3
8 | 0
7
3
0 | 0
7
3
3 | | 0
5
4
5 |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 5 | |

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|---|--|---|--|---|--|---|--|---|--|---|--|----|-----|-------|-----|-----|
| Bile Duct, Cyst | X | | | | | | | | | | | | | | | 1 | | | |
| Mesentery | + | | + | | + | | + | | + | | + | | + | | 13 | | | | |
| Fat, Mineral | | | | | | | | | | | | | | | | 2 | 1 2.0 | | |
| Fat, Necrosis | 2 | | 3 | | 2 | | 4 | | 3 | | 3 | | 3 | | 12 | 2.7 | | | |
| Pancreas | + | | | | | | | | | | | | | | | 88 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | 3 1.0 | | |
| Salivary Glands | + | | | | | | | | | | | | | | | 89 | | | |
| Infiltration Cellular, Lymphocyte | 2 | | 1 | | 1 | | 1 | | 1 | | 2 | | 2 | | 2 | | 65 | 1.6 | |
| Stomach, Forestomach | + | | | | | | | | | | | | | | | 89 | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | 1 | 1 2.0 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | 2 | 2.5 | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | 2 | 2.5 | | |
| Stomach, Glandular | + | | | | | | | | | | | | | | | 88 | | | |
| Tooth | | | | | | | | | | | | | | | | 2 | 4 | 16 | |
| Dysplasia | | | | | | | | | | | | | | | | 2 | 4 | 14 | 2.7 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | 2 | 3.0 | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | |
|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|
| Aorta | + | | | | | | | | | | | | | | | 89 | |
| Heart | + | | | | | | | | | | | | | | | 90 | |
| Cardiomyopathy | | | | | | | | | | | | | | | | 1 | 1.0 |
| Myocardium, Mineral | | | | | | | | | | | | | | | | 1 | 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hyperplasia, Focal | | | | | | | | | | | | | | 2 | | | | 6 2.8 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | 9 1.7 |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 1 3.0 |
| Bilateral, Hypertrophy, Focal | | | | | | | 2 | | | | | | | | | | | 4 2.0 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | | | 80 1.9 |
| Adrenal Medulla | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hyperplasia | | | | 1 | | | | | 2 | | | | | | | | | 16 2.1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 2 1.0 |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | M | M | M | + | M | + | | | 67 |
| Cyst | | | | | | | | | | | | | X | | | | | 4 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | 3 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 1 2.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | | 1 1.0 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | 0
7
3
8 | 0
7
3
3 | 0
7
3
7 | 0
7
3
3 | 0
7
3
2 | 0
7
3
8 | 0
7
3
1 | 0
7
3
6 | 0
7
3
2 | 0
7
3
8 | 0
7
3
8 | 0
7
3
8 | 0
7
3
0 | 0
7
3
3 | 0
5
4
5 | |
| | ANIMAL ID | | | | | | | | | | | | | | | |
| | 0
5
1
0 | 0
5
1
1 | 0
5
1
2 | 0
5
1
3 | 0
5
1
4 | 0
5
1
5 | 0
5
1
6 | 0
5
1
7 | 0
5
1
8 | 0
5
2
0 | 0
5
2
1 | 0
5
2
2 | 0
5
2
3 | 0
5
2
4 | 0
5
2
5 | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Granuloma Sperm | | | | | | | | | | | | | 2 | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | 1 | | | | | | | | 2 | 1 | 22 1.3 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Infiltration Cellular, Lymphocyte | 1 | 2 | | | | | | | 2 | 3 | | 2 | | 2 | | 38 1.7 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 4.0 |
| Bilateral, Hyperplasia | | | | | | | | | | | | | | | | 1 2.0 |
| Bilateral, Duct, Dilation | | | 2 | | | 2 | | | | | | | | | | 9 2.3 |
| Duct, Dilation | | | | | | | | | | | | | | | | 11 2.7 |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 4.0 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 1 | | | | | 6 1.2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 3.0 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Dilation | | | | | | | | | | | | | | | | 5 2.4 |
| Bilateral, Dilation | | | 3 | | | | 3 | | | | | | | | | 23 2.5 |
| Bilateral, Inflammation, Chronic | | | | | | | | | | | | | | | | 1 1.0 |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | 1 2.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hypercellularity | | | | | | | | | | | | | | | 3 | 2 2.5 |
| Lymph Node | | | | | | | | | | | | | | | | 7 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | 0
7
3
8 | 0
7
3
3 | 0
7
3
7 | 0
7
3
3 | 0
7
3
3 | 0
7
3
2 | 0
7
3
8 | 0
7
3
1 | 0
7
3
6 | 0
7
3
2 | 0
7
3
8 | 0
7
3
8 | 0
7
3
8 | 0
7
3
0 | 0
7
3
3 | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | |

| | | |
|--|---|-----|
| Iliac, Infiltration Cellular, Histiocyte | 2 | 2.0 |
| Iliac, Pigment | 2 | 2.0 |
| Pancreatic, Hyperplasia, Lymphoid | 2 | 2.5 |
| Renal, Hemorrhage | 1 | 2.0 |
| Renal, Hyperplasia, Lymphoid | 1 | 3.0 |

| | | |
|------------------------|-------------------------------|----|
| Lymph Node, Mandibular | + M + + M + + + M + + + M M + | 63 |
|------------------------|-------------------------------|----|

| | | | |
|------------------------------------|-------------------------------|----|-----|
| Lymph Node, Mesenteric | + + + M + + + + + + + + + + + | 88 | |
| Erythrophagocytosis | | 4 | 1.8 |
| Hemorrhage | 1 2 | 7 | 2.1 |
| Hyperplasia, Lymphoid | | 2 | 3.0 |
| Infiltration Cellular, Histiocyte | | 5 | 2.2 |
| Infiltration Cellular, Plasma Cell | 4 | 1 | 4.0 |

| | | | | | |
|------------------------------|-------------------------------|----|----|-----|-----|
| Spleen | + + + + + + + + + + + + + + + | 89 | | | |
| Extramedullary Hematopoiesis | 2 | 3 | 13 | 2.2 | |
| Hyperplasia, Lymphoid | | 2 | 2 | 5 | 2.2 |
| White Pulp, Atrophy | | | 1 | 2.0 | |

| | | | | |
|------------|-------------------------------|-----|-----|-----|
| Thymus | + + + + + + + M + + + + + I + | 81 | | |
| Atrophy | | 4 | 3.0 | |
| Cyst | X | X X | 26 | |
| Hemorrhage | | | 1 | 3.0 |

INTEGUMENTARY SYSTEM

| | | |
|---------------|-------------------------------|---|
| Mammary Gland | M M M M M M M M M M M M M M M | 2 |
|---------------|-------------------------------|---|

| | | | | |
|-------|-------------------------------|----|---|-----|
| Skin | + + + + + + + + + + + + + + + | 90 | | |
| Ulcer | 3 | 3 | 2 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
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First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | |
| 5 W/kg | ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | |
| | | 8 | 3 | 7 | 3 | 2 | 8 | 1 | 6 | 2 | 8 | 8 | 8 | 0 | 3 | 3 | 5 | 5 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | | | |
| * TOTALS | | | | | | | | | | | | | | | | | | | |

Subcutaneous Tissue, Inflammation, Granulomatous

1 4.0

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Increased Bone | | | | | | | | | | | | | | | | | 1 1.0 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 5 1.2 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Mineral | 2 | | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | | | | | 80 1.6 |
| Squamous Cyst | | | | | | | | | | | | | | | | | 1 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 72 | |
| Nerve Trigeminal | M | M | + | + | + | M | + | M | + | + | + | + | + | + | + | 66 | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Axon, Degeneration | | | | 1 | | | | | | | | | | | | 9 1.2 | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Cyst, Squamous | | | X | | | | | | | | | | | | | 1 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 2 1.0 | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Congestion | | | | | | | | | | | | | | | | 3 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| | | 8 | 3 | 7 | 3 | 2 | 8 | 1 | 6 | 2 | 8 | 8 | 8 | 0 | 3 | 3 | 4 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|--------------|
| Hemorrhage | | | | | | | | | | | | | | | | | | | 4 1.8 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | 2 | | 2 | | | | | | | 8 1.8 |

| | | | | | | | | | | | | | | | | | | | |
|-------------|--|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|----------|
| Mediastinum | | | | | | | | | | + | | + | | | | | | | 2 |
|-------------|--|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|----------|

| | | | | | | | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|
| Nose | | | | | | | | | | | | | | | | | | | 90 |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|

| | | | | | | | | | | | | | | | | | | | |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|
| Trachea | | | | | | | | | | | | | | | | | | | 89 |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--------------|
| Eye | | | | | | | | | | | | | | | | | | | 90 |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | X | | 3 |
| Optic Nerve, Degeneration | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Retina, Degeneration | | | | | | | | | | | | | | | | | | | 1 3.0 |

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Harderian Gland | | | | | | | | | | | | | | | | | | | 90 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | 32 1.4 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Kidney | | | | | | | | | | | | | | | | | | | 90 |
| Infarct | | | | | | | | | | | | | | | | | | | 4 1.5 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | 5 |
| Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | | | | 76 1.1 |
| Interstitial, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | 56 1.6 |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| | | 8 | 3 | 7 | 3 | 2 | 8 | 1 | 6 | 2 | 8 | 8 | 8 | 0 | 3 | 5 | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| | | | | | | | | | | | | | | | | | * TOTALS | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Infiltration Cellular, Lymphocyte | | 2 | | | 1 | | | | | | 2 | | | 1 | | | 24 1.5 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
7 | 0
7
3
0 | 0
7
3
3 | 0
5
3
8 | 0
7
2
9 | 0
4
6
4 | 0
7
3
5 | 0
7
3
0 | 0
6
9
0 | 0
7
3
8 | 0
7
3
2 | 0
6
8
9 | 0
7
3
9 | 0
7
7
6 | 0
6
7
2 | 0
7
7
3 | 0
7
3
2 | 0
6
7
2 | 0
7
7
0 | 0
7
3
3 | 0
7
3
3 | 0
6
1
6 | 0
7
6
3 | males
(cont...) | |
| | ANIMAL ID | 0
0
6
3
1 | 0
0
6
3
3 | 0
0
6
3
4 | 0
0
6
3
5 | 0
0
6
3
6 | 0
0
6
3
7 | 0
0
6
3
8 | 0
0
6
3
9 | 0
0
6
4
0 | 0
0
6
4
1 | 0
0
6
4
2 | 0
0
6
4
3 | 0
0
6
4
4 | 0
0
6
4
5 | 0
0
6
4
6 | 0
0
6
4
7 | 0
0
6
4
8 | 0
0
6
5
0 | 0
0
6
5
1 | 0
0
6
5
2 | 0
0
6
5
3 | 0
0
6
5
4 | 0
0
6
5
5 | | 0
0
6
5
6 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | + | M | A | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | A | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | A | + | |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | A | + | |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | A | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | | | X | | X | | | X | | X | | X | | X | | | | | | X | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | 1 | 2 | | 2 | 2 | | | | | 2 | 3 | | | | 1 | | |
| Infiltration Cellular, Lymphocyte
Inflammation, Chronic
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|
| | 0
7
3
7 | 0
7
3
0 | 0
7
3
3 | 0
5
3
8 | 0
7
2
9 | 0
4
6
4 | 0
7
3
5 | 0
7
3
0 | 0
6
9
0 | 0
7
3
8 | 0
7
3
0 | 0
6
8
9 | 0
7
2
9 | 0
7
3
6 | 0
7
3
6 | 0
7
3
2 | 0
7
3
0 | 0
6
7
2 | 0
7
3
0 | 0
7
3
3 | | |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) | |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|
| | 7 | 7 | 7 | 5 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | 7 |
| | 3 | 3 | 3 | 3 | 2 | 6 | 3 | 3 | 9 | 3 | 3 | 8 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 0 | |
| | 7 | 0 | 0 | 3 | 8 | 9 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | |
| | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 3 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cardiomyopathy | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 1 | | 1 | | 2 | 2 | | 1 | 2 | 1 | 2 | | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | 2 | | | | | | | | | | | | | 3 | 4 | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--------------------|
| | 0737 | 0733 | 0703 | 0753 | 0772 | 0746 | 0777 | 0776 | 0767 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 10 W/kg | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | |
| | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | 6666 | | |
| | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | 3333 | | |
| | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | 1345 | | |

Thyroid Gland +
 Infiltration Cellular, Lymphocyte

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coagulating Gland
Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Granuloma Sperm | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | | 1 | | | | | | 1 | | | 1 | | 2 | | | | |
| Spermatocele | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Bilateral, Duct, Atrophy | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | 2 | | | 1 | | | | | | | | 2 | 2 | | | 1 |
| Bilateral, Duct, Dilation | | | | | 3 | | | | | | | | 2 | | | | | | | | | | |
| Duct, Dilation | | | | | 3 | | | | 3 | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | 2 | | | | | | 1 | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | 2 | | 2 | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Dilation | | | | | | | | 3 | | | | | | 2 | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as: 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | | |
| | ANIMAL ID | 7 | 7 | 7 | 5 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | 6 | 7 |
| | | 3 | 3 | 3 | 3 | 2 | 6 | 3 | 3 | 9 | 3 | 3 | 8 | 2 | 2 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | |
| | | 7 | 0 | 0 | 8 | 9 | 4 | 5 | 0 | 0 | 8 | 0 | 9 | 9 | 6 | 6 | 2 | 0 | 2 | 2 | 0 | 2 | 2 | 0 | 3 | 8 | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 8 | | |

Bilateral, Atrophy
 Bilateral, Dilation
 Bilateral, Fibrosis
 Bilateral, Inflammation, Acute
 Bilateral, Inflammation, Chronic Active

2
 2
 2
 2
 3
 2
 3

Testis
 Bilateral, Germ Cell, Degeneration
 +

HEMATOPOIETIC SYSTEM

Bone Marrow
 Hypercellularity
 +
 4
 2

Lymph Node
 Bronchial, Infiltration Cellular, Mixed Cell
 Iliac, Hyperplasia, Lymphoid
 Iliac, Infiltration Cellular, Plasma Cell
 Lumbar, Hemorrhage
 Mediastinal, Hyperplasia, Lymphoid
 Renal, Infiltration Cellular, Mixed Cell
 +
 3
 +
 3

Lymph Node, Mandibular
 Infiltration Cellular, Histiocyte
 + + + + M + M + + + + + M + + + + + + M + + + + + +

Lymph Node, Mesenteric
 Erythrophagocytosis
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte
 + + + + + + + + + + + + + + M + + + + + + M +
 3
 1 3
 3
 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0737 | 0733 | 0733 | 0533 | 0742 | 0773 | 0773 | 0669 | 0773 | 0773 | 0668 | 0772 | 0772 | 0773 | 0773 | 0667 | 0773 | 0773 | 0773 | 0666 | 0773 | 0667 | 0773 | 0667 | 0773 | 0667 | 0773 |
| | ANIMAL ID | 00631 | 00633 | 00634 | 00635 | 00636 | 00637 | 00638 | 00639 | 00640 | 00641 | 00642 | 00643 | 00644 | 00645 | 00646 | 00647 | 00648 | 00649 | 00650 | 00651 | 00652 | 00653 | 00654 | 00655 | 00656 | 00657 | 00658 |

males (cont...)

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Mineral Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Nerve Trigeminal | M | + | + | + | + | + | + | + | M | + | M | M | + | + | + | + | + | M | + | M | M | + | M | + | + | + | + |
| Peripheral Nerve, Sciatic Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord Necrosis Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung Congestion Hemorrhage Infiltration Cellular, Histiocyte Alveolar Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mediastinum | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0737 | 0733 | 0733 | 0532 | 0746 | 0773 | 0773 | 0663 | 0773 | 0776 | 0667 | 0772 | 0772 | 0737 | 0773 | 0776 | 0777 | 0777 | 0777 | 0667 | 0776 | 0777 | 0777 | 0667 | 0776 | 0777 |
| | ANIMAL ID | 00631 | 00633 | 00634 | 00635 | 00636 | 00637 | 00638 | 00639 | 00640 | 00641 | 00642 | 00643 | 00644 | 00645 | 00646 | 00647 | 00648 | 00649 | 00650 | 00651 | 00652 | 00653 | 00654 | 00655 | 00656 | 00657 |

males (cont...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Phthisis Bulbi | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Retina, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | 2 | 2 | | 2 | | 2 | 1 | | | | 1 | | | | 1 | | 2 | 1 | | | | | | | 1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | | 1 | 3 | 1 | | 1 | 1 | 1 | 1 | 2 | | 1 | | 1 | 1 | 3 | 2 | 2 | 1 | 2 | | 1 | | 1 | | |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | | 1 | 1 | | 1 | | | 1 | | | 1 | | | 1 | 1 | | | 1 | | 1 | | 1 | | | | | 1 |
| Pelvis, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | X | | | | | | | | X | | | | | | | | | | | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | 1 | | 2 | | | | | | | 2 | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | 2 | | | | | | | 2 | 1 | | | | | | | | | | 1 | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 2 | 1 2 1 1 1 2 2 1 1 2 2 1 1 2 M 1 2 2 2 2 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2 3 2 | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 10 W/kg | | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 8 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | |
| | | 8 | 7 | 6 | 1 | 2 | 6 | 4 | 7 | 1 | 8 | 8 | 5 | 4 | 6 | 1 | 8 | 3 | 1 | 1 | 0 | 9 | 9 | 9 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | 2 | | | | | | 2 | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 1 | 1 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | 1 |
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| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | 3 | | | | | | | 3 | | 3 | | | | | | | | | 2 |
| Parathyroid Gland | M | M | M | + | M | M | M | + | M | + | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + |
| Cyst | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | X | X | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | males
(cont...) | |
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| | | 8 | 7 | 6 | 1 | 2 | 6 | 4 | 7 | 1 | 8 | 8 | 5 | 4 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 9 | 9 | 9 | 3 | 2 | | | |
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| | | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | |
| | | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 6 | | | | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
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* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0738 | 0737 | 0736 | 0733 | 0732 | 0726 | 0724 | 0721 | 0718 | 0717 | 0716 | 0715 | 0714 | 0713 | 0712 | 0711 | 0710 | 0709 | 0708 | 0707 | 0706 | 0705 | 0704 | | | 0069 | 0068 | 0067 | 0066 | 0065 | 0064 | 0063 | 0062 | 0061 | 0060 | 0059 | 0058 | 0057 | 0056 | 0055 | 0054 | 0053 |

Infiltration Cellular, Plasma Cell 3

Spleen Extramedullary Hematopoiesis Hyperplasia, Lymphoid + 1 2 2 3 2

Thymus Atrophy Cyst Infiltration Cellular, Histiocyte + + + M + 2 M + 3 + M + 4 M + M + + + X X

INTEGUMENTARY SYSTEM

Mammary Gland M M M M M M M M M M M M M M M M M M + M M M M M M

Skin Cyst, Squamous Ulcer Hair Follicle, Atrophy +

MUSCULOSKELETAL SYSTEM

Bone Callus +

Skeletal Muscle Degeneration Infiltration Cellular, Lymphocyte Inflammation, Acute Inflammation, Chronic Active + 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|-----------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|
| | 0738 | 0737 | 0736 | 0733 | 0732 | 0726 | 0724 | 0721 | 0718 | 0717 | 0716 | 0715 | 0714 | 0713 | 0712 | 0711 | 0710 | 0709 | 0708 | 0707 | 0706 | | | 0705 | 0704 | 0703 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 8 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| | 8 | 7 | 6 | 1 | 2 | 6 | 4 | 7 | 1 | 8 | 8 | 5 | 4 | 6 | 1 | 8 | 3 | 3 | 1 | 1 | 0 | 9 | 9 | 7 | 3 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 6 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mineral | 1 | 2 | 1 | | 1 | | 2 | 2 | 2 | 1 | | 1 | | 2 | 2 | 2 | 1 | 2 | 1 | 1 | | 2 | | 2 | 2 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | M | + | + | + | + | + | |
| Nerve Trigeminal | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Axon, Degeneration | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Alveolar Epithelium, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | 2 | | | | 2 | 2 | | | |
| Mediastinum | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 8 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 10 W/kg | ANIMAL ID | 8 | 7 | 6 | 1 | 2 | 6 | 4 | 7 | 1 | 8 | 8 | 5 | 4 | 6 | 1 | 8 | 3 | 1 | 1 | 0 | 0 | 9 | 9 | 7 | 3 | 3 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | | | |

males (cont...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Retina, Atrophy | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | + |
| Infiltration Cellular, Lymphocyte | | 2 | | 2 | | | | | 1 | 1 | | 1 | | | 2 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitium, Infiltration Cellular, Lymphocyte | 2 | | | 2 | 1 | | | | 1 | 2 | 2 | | | | 2 | 1 | 1 | | 1 | | | | 2 | 1 | | 1 | | | |
| Pelvis, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 2 | | | | | | | | | 1 | 1 | | | | 2 | 1 | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 07030 | 06734 | 07735 | 03732 | 07732 | 07733 | 00338 | 00733 | 00733 | 00733 | 00733 | 00731 | 00733 | 00733 | 00733 | 00723 | 00733 | 00733 | 00733 | 00733 | 00733 | 00735 | males
(cont...) |
| | ANIMAL ID | 00687 | 00688 | 00689 | 00690 | 00691 | 00692 | 00693 | 00694 | 00695 | 00696 | 00697 | 00698 | 00699 | 00700 | 00701 | 00702 | 00703 | 00704 | 00705 | 00706 | 00707 | 00708 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | A |
| Intestine Large, Cecum | + | A | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A |
| Intestine Large, Colon | + | A | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A |
| Intestine Large, Rectum | + | A | + | A | + | + | + | + | + | M | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | A | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | M |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | + | A | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A
3 |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | A | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A
4 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | X | | |
| Clear Cell Focus | | | X | | X | X | | X | X | | | | X | X | | X | X | X | | X | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | 2 | 1 | | 2 | 2 | 1 | | | | | 2 | | | | 2 | 1 | | 2 | | | 2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Inflammation, Chronic | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | X |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | 0730 | 0734 | 0736 | 0735 | 0733 | 0732 | 0730 | 0729 | 0728 | 0727 | 0726 | 0725 | 0724 | 0723 | 0722 | 0721 | 0720 | 0719 | 0718 | 0717 | 0716 | 0715 | 0714 | 0713 | 0712 | 0711 | 0710 | 0709 | 0708 | 0707 | 0706 | 0705 | 0704 | 0703 | 0702 | 0701 | 0700 | |
|-----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ANIMAL ID | 00687 | 00668 | 00668 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Focal | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 1 | 1 | | 2 | 2 | | 2 | 1 | 1 | | 1 | 1 | 2 | 2 | 1 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | M | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Parathyroid Gland | + | M | M | M | M | + | + | M | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | I | + | + | + | + | M | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | | |
| | | 7 | 6 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 7 | 6 | | | |
| 10 W/kg | | 3 | 7 | 3 | 5 | 3 | 2 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 5 | | | | | |
| | | 0 | 4 | 6 | 2 | 7 | 9 | 0 | 1 | 9 | 2 | 6 | 8 | 2 | 7 | 9 | 1 | 0 | 1 | 9 | 8 | 3 | 8 | | | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 5 | |

Bilateral, Atrophy 3

Bilateral, Dilation 3 2 2 2 3 3 3

Bilateral, Fibrosis

Bilateral, Inflammation, Acute

Bilateral, Inflammation, Chronic Active

Testis +

Bilateral, Germ Cell, Degeneration 2

HEMATOPOIETIC SYSTEM

Bone Marrow +

Hypercellularity 2

Lymph Node +

Bronchial, Infiltration Cellular, Mixed Cell + +

Iliac, Hyperplasia, Lymphoid 1

Iliac, Infiltration Cellular, Plasma Cell

Lumbar, Hemorrhage

Mediastinal, Hyperplasia, Lymphoid 2

Renal, Infiltration Cellular, Mixed Cell

Lymph Node, Mandibular M M + I + + M + M + M + + M + M + + + I + + + M + M

Infiltration Cellular, Histiocyte 2

Lymph Node, Mesenteric M + + + + + + + + + + + + + + A + + + + + + + + + M

Erythrophagocytosis

Hemorrhage 4 1 1 2 2

Hyperplasia, Lymphoid 3 2

Infiltration Cellular, Histiocyte 2 2 3 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| B6C3F1 MICE MALE | 10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) |
| | | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 6 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | M | M | + | + | + | + | M | + | + | |
| Atrophy | | 4 | | | | | | 3 | | | | | | | | | | | | | | | | | 3 |
| Cyst | | | | | X | | | | X | | X | | | | | | | | | | | | | X | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | + | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | + | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | | | X |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 3 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Callus | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | 2 | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
3
0 | 0
6
7
4 | 0
7
3
6 | 0
3
5
2 | 0
7
3
7 | 0
7
2
9 | 0
7
3
0 | 0
7
3
1 | 0
6
8
9 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
1
9 | 0
7
3
1 | 0
7
3
3 | 0
7
2
9 | 0
7
3
8 | 0
7
3
6 | 0
7
3
2 | 0
7
3
3 | 0
7
3
5 | 0
6
8
7 | males
(cont...) |
| | ANIMAL ID | 0
0
6
8
7 | 0
0
6
8
8 | 0
0
6
8
9 | 0
0
6
9
0 | 0
0
6
9
1 | 0
0
6
9
2 | 0
0
6
9
3 | 0
0
6
9
4 | 0
0
6
9
5 | 0
0
6
9
6 | 0
0
6
9
7 | 0
0
6
9
8 | 0
0
7
0
1 | 0
0
7
0
2 | 0
0
7
0
4 | 0
0
7
0
5 | 0
0
7
0
6 | 0
0
7
0
7 | 0
0
7
0
8 | 0
0
7
0
9 | 0
0
7
1
0 | 0
0
7
1
1 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain
Mineral
Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | | | | | | | 1 | 1 | 1 | 1 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | | |
| Nerve Trigeminal | M | M | + | + | + | M | + | + | M | + | M | + | + | + | M | + | M | + | M | M | + | M | M | + | M | + | |
| Peripheral Nerve, Sciatic
Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | |
| Spinal Cord
Necrosis
Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Congestion
Hemorrhage
Infiltration Cellular, Histiocyte
Alveolar Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | 3 | | | | | | | | | | | | | | | | | | | | | 2 | |
| | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | |
| Mediastinum | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|
| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | 7 | 6 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | | 3 | 7 | 3 | 5 | 3 | 2 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 5 | |
| | | 0 | 4 | 6 | 2 | 7 | 9 | 0 | 1 | 9 | 2 | 6 | 8 | 2 | 7 | 9 | 1 | 0 | 1 | 9 | 8 | 3 | 6 | 2 | 8 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | males (cont...) |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Retina, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | 1 | 2 | 2 | 1 | | | | 1 | | | | | 1 | 1 | 1 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | 1 | | | | | | | | | | | | | | | | | | 2 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Bacteria | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Glomerulus, Cyst | | | | | | | | | X | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | | 1 | | 1 | 1 | 2 | 2 | 1 | | | | | 2 | 1 | 2 | | 2 | | | 1 | | 2 | |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | | | | | X | X | | | | | | | | | | | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | | 1 | 1 | | 1 | | 1 | | | | | | 1 | 1 | | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 |
| 10 W/kg | ANIMAL ID | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 9 | 1 | 1 | 3 | 7 | 6 | 9 | 2 | 1 | 8 | 3 | 7 | 7 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | |
| | | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 4 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Gallbladder | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 79 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 78 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 80 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 3.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 79 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 4.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Basophilic Focus | | | | | | | | | | | | | | | | 3 |
| Clear Cell Focus | | | | | | | | X | | | X | X | | X | | 31 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | 1 |
| Fatty Change | 2 | | 2 | | 2 | 2 | 2 | | | 2 | | 2 | 2 | | | 35 1.9 |
| Infiltration Cellular, Lymphocyte | | | 2 | | | | | | | | | | | | | 2 1.5 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | 2 1.5 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 1.0 |
| Mixed Cell Focus | | | | | | | | | | X | X | | | | | 4 |
| Necrosis | | | | | | | | | | | | | | | | 3 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|------------|------------|
| | 0
7
3
2 | 0
7
2
9 | 0
7
3
1 | 0
6
8
1 | 0
7
3
3 | 0
7
3
7 | 0
7
3
6 | 0
7
3
9 | 0
6
2
1 | 0
5
7
3 | 0
7
3
8 | 0
7
3
3 | 0
7
3
7 | 0
7
3
7 | 0
7
3
9 | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | | | |
| 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 4 | 5 | | | | |
| | | | | | | | | | | | | | | | * TOTALS | | | |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | 2 | 1.5 | |
| Mesentery | + | | + | | | | + | | | | | | | | | 17 | | |
| Artery, Inflammation, Chronic Active | | | 2 | | | | | | | | | | | | | 2 | 2.5 | |
| Fat, Inflammation, Granulomatous | 3 | | | | | | | | | | | | | | | 1 | 3.0 | |
| Fat, Necrosis | | | | | | | 2 | | | | | | | | | 13 | 2.6 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Inflammation, Acute | | | 2 | | | | | | | | | | | | | 1 | 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | | | |
| Infiltration Cellular, Lymphocyte | | 1 | 2 | 1 | 1 | 1 | 1 | | 1 | | 2 | 1 | 1 | | 65 | 1.5 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | 3 | | |
| Hyperkeratosis | | | | | | | | | | | | | | | | 2 | 2.5 | |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | | | |
| Cyst | | | | | | | | | | | | | | | | 1 | | |
| Ulcer | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Tooth | | | | | + | | + | | | | | | + | | + | | 20 | |
| Dysplasia | | | | | 2 | | 4 | | | | | | 2 | | 3 | | 20 | 2.5 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 | 3.0 | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1) Minimal 3) Moderate

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Experiment Number: 20105 - 78

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 |
| 10 W/kg | ANIMAL ID | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 9 | 1 | 1 | 3 | 7 | 6 | 9 | 2 | 1 | 8 | 3 | 7 | 7 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | |
| | | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 4 | 5 |
| | | | | | | | | | | | | | | | * TOTALS | |

| | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Cardiomyopathy | | | | | | | | | | | | | | | | 2 1.5 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 1.0 |
| Thrombus | | | | | | | | | | | | | | | | 1 2.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | 2 | | | | | | | 3 1.7 |
| Endothelium, Hyperplasia | | | | | | | 2 | | | | | | | | | 1 2.0 |
| Myocardium, Mineral | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Hyperplasia, Focal | | | | 2 | | 1 | | | | | | | | | | 6 1.8 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | 1 3.0 |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | | 1 | 1 | 2 | 2 | 1 | 72 1.7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Atrophy | | | | | | | | | | | | | | | | 1 4.0 |
| Hyperplasia | | | | | | | | | | | | 3 | | | | 10 2.8 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | M | M | + | + | M | M | 66 |
| Cyst | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|---------------|---------------|
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9 | | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | |
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2 | 0
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3 | 0
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4 | 0
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6 | 0
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7 | 0
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8 | 0
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7
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9 | 0
0
7
3
0 | 0
0
7
3
4 | | | |
| | | | | | | | | | | | | | | | * TOTALS | | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte | + + + + + + + + + + + + + + | | | | | | | | | | | | | | 88
1 1.0 | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | 1 | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | |
| Coagulating Gland
Cyst | | | | | | | | | | | | | | | 4
3 | | |
| Epididymis | + + + + + + + + + + + + + + | | | | | | | | | | | | | | 90 | | |
| Granuloma Sperm | | | | | | | | | | | | | | | 1 2.0 | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | | | | | | | | | | | 1 | 1 | 28 1.1 | |
| Spermatocoele | | | | | | | | | | | | | | | 1 2.0 | | |
| Bilateral, Duct, Atrophy | | | | | | | | | | | | | | | 1 3.0 | | |
| Preputial Gland | + + + + + + + + + + + + + + | | | | | | | | | | | | | | 89 | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | | 2 | | | | 3 | | | 1 | 2 | 33 1.5 |
| Bilateral, Duct, Dilation | | | | | | | | | | | | | | | 2 2.5 | | |
| Duct, Dilation | | | | | | | | | | | | | | | 4 2.8 | | |
| Prostate | + + + + + + + + + + + + + + | | | | | | | | | | | | | | 87 | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | 1 2.0 | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | 1 | 9 1.3 | | | |
| Inflammation, Acute | 3 | | | | | | | | | | | | | 5 1.8 | | | |
| Seminal Vesicle | + + + + + + + + + + + + + + | | | | | | | | | | | | | | 90 | | |
| Dilation | | | | | | | | | | | | 2 | 2 | 4 2.3 | | | |
| Hyperplasia | 3 | | | | | | | | | | | | | 1 3.0 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X .. Lesion present

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10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----|
| | 0732 | 0731 | 0738 | 0733 | 0737 | 0736 | 0732 | 0739 | 0731 | 0738 | 0733 | 0737 | 0736 | 0732 | 0739 | | |
| ANIMAL ID | 0071 | 0077 | 0078 | 0079 | 0081 | 0082 | 0083 | 0084 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | | |
| | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | | |
| | 0071 | 0071 | 0071 | 0071 | 0072 | 0072 | 0072 | 0072 | 0072 | 0072 | 0072 | 0072 | 0072 | 0073 | 0073 | | |
| | 0066 | 0067 | 0068 | 0069 | 0071 | 0072 | 0073 | 0074 | 0076 | 0077 | 0078 | 0079 | 0080 | 0084 | 0085 | | |
| Bilateral, Atrophy | | | | | | | | | | | | | | | | 1 | 3.0 |
| Bilateral, Dilation | 2 | | | | | 3 | | 3 | 3 | 3 | | | 2 | | | 29 | 2.5 |
| Bilateral, Fibrosis | | | | | | | | | | | | | | | | 1 | 2.0 |
| Bilateral, Inflammation, Acute | | | | | | | | | | | | | | | | 1 | 2.0 |
| Bilateral, Inflammation, Chronic Active | | | | 3 | | | | | | | | | | | | 1 | 3.0 |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Bilateral, Germ Cell, Degeneration | | | | | | | | | | | | | | | | 1 | 2.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Hypercellularity | | | | | | | | | | | | | | | | 3 | 2.7 |
| Lymph Node | | | | + | | + | | | | | | | | | | 9 | |
| Bronchial, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 | 3.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 | 1.5 |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 | 3.0 |
| Lumbar, Hemorrhage | | | | | | 2 | | | | | | | | | | 1 | 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal, Infiltration Cellular, Mixed Cell | | | | 2 | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mandibular | M | + | I | + | + | M | + | + | M | M | + | + | + | M | M | 60 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 83 | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | 1 | 3.0 |
| Hemorrhage | | | | | | 1 | | | | | | | | 1 | | 13 | 1.7 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 5 | 2.6 |
| Infiltration Cellular, Histiocyte | | | | 2 | | | | | | | | | | | | 4 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 M .. Missing tissue
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10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | 0
7
3
2 | 0
7
2
9 | 0
7
3
1 | 0
6
8
1 | 0
7
3
3 | 0
7
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7 | 0
7
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1 | 0
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3 | 0
7
3
8 | 0
7
3
3 | 0
7
3
7 | 0
7
3
7 | 0
7
2
9 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Extramedullary Hematopoiesis | | 3 | | | | | | | | | | | | | | 12 2.2 |
| Hyperplasia, Lymphoid | | | | | 2 | | | | | | | | | | | 3 2.0 |
| Thymus | + | M | + | + | + | + | + | + | + | + | M | + | + | I | | 72 |
| Atrophy | | | | 3 | | | | | 3 | | | | | | | 14 3.1 |
| Cyst | X | | X | | X | | | | | | | | X | | | 15 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 3.0 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | |
| Mammary Gland | M | + | M | M | M | M | M | M | M | M | M | M | + | M | M | 8 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Cyst, Squamous | | | | | | | | | | | | | | | | 1 |
| Ulcer | | | | | | | | | | | | | | | | 1 3.0 |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | 3 | | 2 3.0 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Callus | | | | | | | | | | | | | | | | 1 3.0 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Degeneration | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 5 1.4 |
| Inflammation, Acute | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Lab: IIT

| | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 |
| 10 W/kg | | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 9 | 1 | 1 | 3 | 7 | 6 | 9 | 2 | 1 | 8 | 3 | 7 | 7 | 9 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | |
| | | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 4 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |
| Mineral | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | | | 76 | 1.6 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | M | + | + | + | + | | 79 | | |
| Nerve Trigeminal | + | + | + | + | + | + | M | + | + | + | M | + | M | M | + | 63 | | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | | |
| Axon, Degeneration | | | | | | | | | | | | | | | | | 4 | 1.0 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |
| Necrosis | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 | 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|----------|------------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |
| Congestion | | | | | | | | | | | | | | | | | 3 | 2.7 |
| Hemorrhage | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 7 | 1.7 |
| Mediastinum | | | | | | | | | | | | | | | | 1 | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 |
| 10 W/kg | | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 9 | 1 | 1 | 3 | 7 | 6 | 9 | 2 | 1 | 8 | 3 | 7 | 7 | 9 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | |
| | | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 4 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | 1 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 2.0 |
| Retina, Atrophy | | | | | | | | | | | | | | | | | 1 4.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 1 | | 1 | | | | 1 | 1 | 1 | | | | 2 | | 40 1.3 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Infarct | | | 1 | 2 | | | | 2 | | | | | | | | | 8 1.5 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | 1 |
| Nephropathy, Chronic Progressive | | 2 | 1 | | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | | | 74 1.3 |
| Bilateral, Inflammation, Acute | | | | 3 | | | | | | | | | | | | | 1 3.0 |
| Bilateral, Renal Tubule, Bacteria | | | | X | | | | | | | | | | | | | 1 |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | 1 3.0 |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | | 1 |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | 2 | 2 | | 2 | 1 | | | | | 2 | | | 2 | | | 44 1.4 |
| Pelvis, Dilation | | | | | | | | | 3 | | | | | | | | 1 3.0 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Cyst | | | | | | | | | | X | | | | | | | 5 |
| Renal Tubule, Dilation | | | | | | | | | 2 | | | | | | | | 1 2.0 |
| Renal Tubule, Mineral | 1 | | | | | | | | | | | | | | | | 4 1.5 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | 2 | | | 2 | | | | | | 21 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 4 | 4 | 4 | 5 | 3 | 5 | 5 | 3 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 |
| | | 9 | 8 | 5 | 6 | 3 | 0 | 9 | 6 | 2 | 9 | 2 | 6 | 6 | 1 | 1 | 3 | 0 | 4 | 4 | 4 | 6 | 0 | 0 | 0 |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | M | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | M |
| Infiltration Cellular, Lymphocyte | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | X | | | | | | | | | | X | | | | | X |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | | 1 | | | 1 | 2 | 2 | 1 | 2 | | | | 1 | 2 | | | | 1 | 1 | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | 2 | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| B6C3F1 MICE FEMALE

0 W/kg | DAY ON TEST | 0739 | 0638 | 0745 | 0774 | 0775 | 0777 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0575 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| | ANIMAL ID | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 |
| | ANIMAL ID | 0110 | 0111 | 0112 | 0113 | 0114 | 0115 | 0116 | 0117 | 0118 | 0119 | 0120 | 0121 | 0122 | 0123 | 0124 | 0125 | 0126 | 0127 | 0128 | 0129 | 0130 | 0131 | 0132 | 0133 | 0134 | 0135 | 0136 | 0137 | 0138 | 0139 |
| | ANIMAL ID | 0210 | 0211 | 0212 | 0213 | 0214 | 0215 | 0216 | 0217 | 0218 | 0219 | 0220 | 0221 | 0222 | 0223 | 0224 | 0225 | 0226 | 0227 | 0228 | 0229 | 0230 | 0231 | 0232 | 0233 | 0234 | 0235 | 0236 | 0237 | 0238 | 0239 |
| | ANIMAL ID | 0310 | 0311 | 0312 | 0313 | 0314 | 0315 | 0316 | 0317 | 0318 | 0319 | 0320 | 0321 | 0322 | 0323 | 0324 | 0325 | 0326 | 0327 | 0328 | 0329 | 0330 | 0331 | 0332 | 0333 | 0334 | 0335 | 0336 | 0337 | 0338 | 0339 |

females
(cont...)

Bacteria
Cardiomyopathy 1
Thrombus 2
Epicardium, Infiltration Cellular, Mixed Cell
Epicardium, Infiltration Cellular, Mononuclear Cell
Myocardium, Fibrosis
Myocardium, Inflammation, Chronic Active
Myocardium, Mineral
Valve, Hemorrhage 2
Valve, Infiltration Cellular, Lymphocyte
Valve, Thrombus 3

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | | 3 | 2 | 2 | 2 | 2 | | 2 | 2 | 1 | 3 | 2 | 3 | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | M | + | + | M | M | M | + | + | M | + | M | + | + | + | M | + | + | M | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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Experiment Number: 20105 - 78

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Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0739 | 0638 | 0745 | 0744 | 0743 | 0750 | 0739 | 0666 | 0772 | 0779 | 0772 | 0776 | 0776 | 0776 | 0551 | 0663 | 0774 | 0774 | 0774 | 0774 | 0754 | 0745 | 0744 | 0743 | | |
| | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |

Cyst

Pituitary Gland

Pars Distalis, Angiectasis

Pars Distalis, Cyst

Pars Distalis, Hyperplasia, Focal

Thyroid Gland

Infiltration Cellular, Lymphocyte

Follicle, Cyst

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

Infiltration Cellular, Lymphocyte

Duct, Cyst

Ovary

Cyst

Hemorrhage

Mineral

Follicle, Cyst

Uterus

Angiectasis

Dilation

Hemorrhage

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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 Species/Strain: MICE/B6C3F1

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 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
9 | 0
6
3
8 | 0
7
4
5 | 0
7
4
6 | 0
7
4
3 | 0
7
5
0 | 0
7
3
9 | 0
6
5
6 | 0
7
5
2 | 0
7
3
9 | 0
7
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2 | 0
7
4
6 | 0
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4
6 | 0
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1 | 0
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1 | 0
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3 | 0
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4 | 0
7
4
6 | 0
7
4
0 | 0
7
5
0 | 0
7
4
5 | 0
7
4
0 | 0
7
4
3 | | |
| 0 W/kg | 0
0
1
0
7 | 0
0
1
0
8 | 0
0
1
0
9 | 0
0
1
1
0 | 0
0
1
1
1 | 0
0
1
1
2 | 0
0
1
1
3 | 0
0
1
1
4 | 0
0
1
1
5 | 0
0
1
1
6 | 0
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7 | 0
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1
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8 | 0
0
1
1
9 | 0
0
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1
0 | 0
0
1
2
1 | 0
0
1
2
2 | 0
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1
2
3 | 0
0
1
2
4 | 0
0
1
2
5 | 0
0
1
2
6 | 0
0
1
2
7 | 0
0
1
2
8 | 0
0
1
2
0 | 0
0
1
3
1 | 0
0
1
3
3 | 0
0
1
3
3 |

Infiltration Cellular, Mixed Cell

Lymph Node, Mesenteric
 Erythrophagocytosis
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte

+ + + + + + + + + + M + + M M + + + + + M + +
 2

Spleen
 Atrophy
 Extramedullary Hematopoiesis
 Hyperplasia, Lymphoid
 Capsule, Fibrosis

+ + + + + + + + + + A + + + + + + + + + +
 2 2 4 3 2 3 2

Thymus
 Atrophy
 Cyst
 Hyperplasia, Lymphoid

+ + + + + + I + + + + + A + + I + + + + + + +
 X 3 2

INTEGUMENTARY SYSTEM

Mammary Gland
 Hyperplasia, Focal
 Hyperplasia, Diffuse
 Duct, Dilation

+ + + + + M + + + + + + + + + + + + + + + +

Skin
 Ulcer
 Hair Follicle, Atrophy

+
 3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
3
9 | 0
6
3
8 | 0
7
4
5 | 0
7
4
6 | 0
7
4
3 | 0
7
5
0 | 0
7
3
9 | 0
6
5
6 | 0
7
5
2 | 0
7
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9 | 0
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5 | 0
7
4
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3 | females
(cont...) | |
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| | ANIMAL ID | 0
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8 | 0
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MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | 2 | | | | | | | | | | | | 2 | 2 | 2 | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | 1 | | | | 1 | | 1 | | 1 | | | | | | | | | 1 | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrocephalus | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | | | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | |
| Nerve Trigeminal | M | + | + | + | + | + | M | + | + | M | + | M | + | M | M | + | M | M | M | + | + | + | M | M |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Axon, Degeneration | | 2 | | | 1 | | | | | | | | | | | | | | 1 | | | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0739 | 0638 | 0745 | 0776 | 0777 | 0777 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0575 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | females
(cont...) |
| | 0 W/kg | ANIMAL ID | 0010 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | |

Infiltration Cellular, Histiocyte
 Infiltration Cellular, Lymphocyte
 Inflammation, Acute
 Inflammation, Chronic
 Alveolar Epithelium, Hyperplasia, Focal

Mediastinum

Nose
 Inflammation, Acute

Trachea

SPECIAL SENSES SYSTEM

Eye

Harderian Gland
 Infiltration Cellular, Lymphocyte

URINARY SYSTEM

Kidney
 Cyst
 Infarct
 Metaplasia, Osseous
 Nephropathy, Chronic Progressive
 Bilateral, Infarct
 Interstitium, Infiltration Cellular, Lymphocyte
 Pelvis, Dilatation
 Renal Tubule, Dilatation

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0739 | 0688 | 0745 | 0746 | 0770 | 0777 | 0669 | 0772 | 0779 | 0772 | 0776 | 0776 | 0771 | 0551 | 0663 | 0740 | 0744 | 0744 | 0746 | 0740 | 0750 | 0744 | 0740 | 0743 | 0743 | females
(cont...) |
| | 0 W/kg | ANIMAL ID | 0010 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | |

Renal Tubule, Mineral

Urinary Bladder

Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 2 | | 1 | | 1 | 3 | | | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | | 2 | 2 | 2 | 2 | | 3 | 3 | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| 0 W/kg | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | |
| | | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 5 | 5 | 0 | 4 | 4 | 8 | 1 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 0 | 5 | 4 | |
| | | 6 | 3 | 0 | 6 | 6 | 7 | 8 | 1 | 1 | 7 | 0 | 0 | 9 | 1 | 4 | 5 | 5 | 4 | 3 | 2 | 4 | 0 | 4 | 0 | 4 | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 2 | 3 | 4 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | 1 | | | | | | | | | | 2 | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | 1 | 1 | | | | | 1 | 1 | | 1 | 1 | 3 | | | | | | 1 | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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8 | 0
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9 |
| Inflammation, Chronic Active
Mixed Cell Focus
Necrosis
Hepatocyte, Fatty Change, Focal
Kupffer Cell, Hyperplasia | | | | | | 1 | | | | | | | | | 3 | | | | | | | | | | | | | 2 |
| Mesentery
Fat, Infiltration Cellular, Lymphocyte
Fat, Inflammation, Chronic Active
Fat, Necrosis | + | | | | | | | | | + | + | + | + | | + | + | + | | | + | + | | | | + | + | | |
| Pancreas
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands
Atrophy
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach
Stomach, Glandular
Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aorta
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | | 7 |
| | | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 5 | 5 | 0 | 4 | 4 | 8 | 1 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 0 | 5 | | 4 |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 2 | 3 | 4 | |

- Bacteria
- Cardiomyopathy
- Thrombus
- Epicardium, Infiltration Cellular, Mixed Cell
- Epicardium, Infiltration Cellular, Mononuclear Cell 1
- Myocardium, Fibrosis 1
- Myocardium, Inflammation, Chronic Active
- Myocardium, Mineral 2
- Valve, Hemorrhage
- Valve, Infiltration Cellular, Lymphocyte
- Valve, Thrombus

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | M | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Bilateral, Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 3 | 2 | | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | | | | 2 | 2 | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | I | M | + | + | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | M | + | + | M | + | M | + |

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 Lab: IIT

| B6C3F1 MICE FEMALE

0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | | 7 | | |
| | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 5 | 5 | 0 | 4 | 4 | 8 | 1 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 0 | | 5 | 4 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | | | |
| 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 2 | 3 | 4 | | | |
| Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | I | + | M | + | + | + | + | | |
| Pars Distalis, Angiectasis | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | + | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | M | + | + | M | + | + | + | M | | |
| Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X | | | | | | | | | | | | | | | | X | | X | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | 3 | | | | 2 | | | | 3 | | 2 | | 2 | | 3 | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
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4 | 0
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3 | 0
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2 | 0
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4 | 0
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0 | 0
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4 | 0
7
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0 | 0
7
4
0 | |
| 0 W/kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 2 | 3 | 4 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|--|---|---|--|--|--|--|--|--|---|---|--|--|--|---|---|--|--|--|---|--|--|--|--|--|--|--|--|
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| Endometrium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 3 | 2 | 2 | 3 | 3 | | X | X | | | | | | | 4 | 2 | | | | 3 | 3 | | | | | | | | | | | | |
| Endometrium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | |

Vagina

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|---|---|
| Bone Marrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypercellularity | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 |
| Lumbar, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE

0 W/kg | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | | | |
|-----------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|--|--|--|---|--|--|--|--|--|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | | | | | | | | | | | |
| ANIMAL ID | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 4 | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | M | + | + | + | + | + | M | + | + | I | + | + | + | + | + | + | + | + | M | | | | | | | | | | | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | 2 | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | 2 | 3 | 2 | | | 2 | | | | | | 2 | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | 3 | | | | | | 2 |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | I | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hair Follicle, Atrophy | | | | | | | | | | | | 3 | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
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MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | 3 | | | | 2 | | | | | | | | 3 | 2 | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | 1 | 1 | | | | | 1 | | | | | 1 | | | 1 | 1 | 1 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrocephalus | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Mineral | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | | | | 1 | 2 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | M | + | + | + | + | + | M | M | M | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | |
| Nerve Trigeminal | + | + | + | + | + | + | + | + | + | + | + | M | M | + | M | M | M | M | M | + | M | M | + | + | M |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | + |
| Axon, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | 3 | | | 3 | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 1) Minimal 3) Moderate
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Cell Phone Radiation: GSM

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Date Report Requested: 08/24/2017

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | | 7 |
| | | 4 | 4 | 4 | 4 | 4 | 0 | 4 | 5 | 5 | 0 | 4 | 4 | 8 | 1 | 4 | 4 | 4 | 4 | 4 | 6 | 4 | 4 | 0 | 5 | | 4 |
| | | 6 | 3 | 0 | 6 | 6 | 7 | 8 | 1 | 1 | 7 | 0 | 0 | 9 | 1 | 4 | 5 | 5 | 4 | 3 | 2 | 4 | 0 | 4 | 0 | | 4 |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 2 | 3 | | |

Renal Tubule, Mineral

Urinary Bladder

Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 1 | 1 | 2 | 3 | | 2 | 1 | 2 | 2 | | 2 | 2 | | 2 | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
4
3 | 0
7
0
3 | 0
5
5
1 | 0
5
7
9 | 0
7
4
4 | 0
7
4
5 | 0
7
4
3 | 0
7
4
0 | 0
7
5
9 | 0
7
3
4 | 0
7
5
4 | 0
7
5
1 | 0
7
4
9 | 0
7
5
7 | 0
7
5
1 | 0
7
5
1 | 0
7
4
6 | 0
5
6
8 | 0
7
4
5 | 0
7
4
0 | 0
6
4
2 | females
(cont...) | |
| | ANIMAL ID | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
5 | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
7
9 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | 0
0
1
8
5 | 0
0
1
8
6 | 0
0
1
8
8 | | 0
0
1
9
0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Gallbladder
Infiltration Cellular, Lymphocyte | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Inflammation, Acute | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | X | | | | | | | | | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | 4 | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | 2 | | | | | | | 1 | 2 | | | 1 | | | 1 | 2 | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | 1 | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
4
3 | 0
7
0
3 | 0
5
5
1 | 0
7
4
9 | 0
7
4
5 | 0
7
4
3 | 0
7
4
0 | 0
7
5
9 | 0
7
3
4 | 0
7
4
4 | 0
7
2
0 | 0
7
5
1 | 0
7
4
9 | 0
7
5
7 | 0
7
5
1 | 0
7
5
1 | 0
7
4
6 | 0
5
6
8 | 0
7
4
5 | 0
7
4
0 | 0
6
4
2 | females
(cont...) |
| | 0 W/kg | ANIMAL ID | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
5 | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
8 | 0
0
1
8
9 | 0
0
1
9
0 | 0
0
1
9
1 | |

Inflammation, Chronic Active
 Mixed Cell Focus
 Necrosis
 Hepatocyte, Fatty Change, Focal
 Kupffer Cell, Hyperplasia

X X

1

1

Mesentery
 Fat, Infiltration Cellular, Lymphocyte
 Fat, Inflammation, Chronic Active
 Fat, Necrosis

+
 3 2 2 2 3 3 3 2

Pancreas
 Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active
 Duct, Cyst

+
 1 2 2 1 1 2 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1

Salivary Glands
 Atrophy
 Infiltration Cellular, Lymphocyte

+
 1 1 2 2 1 1 2 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1

Stomach, Forestomach

+ + A +

Stomach, Glandular
 Cyst

+ + A +

CARDIOVASCULAR SYSTEM

Aorta
 Inflammation, Chronic Active

+ + + + + + + + + + M + + + M + + + + + + + + + +

Heart

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|----------------------|
| | 0
7
4
3 | 0
7
0
3 | 0
5
5
1 | 0
7
4
9 | 0
7
4
5 | 0
7
4
3 | 0
7
4
0 | 0
7
5
9 | 0
7
3
4 | 0
7
5
9 | 0
7
4
4 | 0
7
5
0 | 0
7
5
1 | 0
7
4
4 | 0
7
5
9 | 0
7
5
7 | 0
7
5
5 | 0
7
5
5 | 0
7
4
6 | 0
7
6
8 | 0
7
4
5 | 0
7
4
0 | 0
6
4
2 | | |
| 0 W/kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
0
1
6
5 | females
(cont...) |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Cardiomyopathy | | | | | | | | | | | | | | | | 1 | | | | | | | | 2 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Epicardium, Infiltration Cellular, Mixed Cell | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Epicardium, Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Valve, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Infiltration Cellular, Lymphocyte | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Valve, Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Subcapsular, Hyperplasia | 3 | 3 | 1 | 2 | 2 | 2 | | 2 | 2 | 2 | | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | |
| Hemorrhage | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M | M | + | M | + | + | + | + | M | + | + | + | + | + | + | + | M | M | M | + | M | + | + | M | + |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 CAS Number: CELLPRADGSM

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 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | 0
7
4
3 | 0
7
0
3 | 0
5
5
1 | 0
7
4
9 | 0
7
4
5 | 0
7
4
3 | 0
7
4
0 | 0
7
5
9 | 0
7
4
4 | 0
7
2
4 | 0
7
5
0 | 0
7
5
1 | 0
7
4
9 | 0
5
9
7 | 0
7
5
1 | 0
7
5
1 | 0
7
7
6 | 0
5
6
8 | 0
7
4
5 | 0
7
4
0 | 0
6
4
2 | females
(cont...) |
|------------------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
| | ANIMAL ID | 0
1
6
5 | 0
1
6
6 | 0
1
6
7 | 0
1
6
8 | 0
1
6
9 | 0
1
7
0 | 0
1
7
1 | 0
1
7
2 | 0
1
7
3 | 0
1
7
4 | 0
1
7
5 | 0
1
7
6 | 0
1
7
7 | 0
1
8
8 | 0
1
8
9 | 0
1
8
4 | 0
1
8
5 | 0
1
8
6 | 0
1
8
8 | 0
1
9
0 | 0
1
9
1 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | + | + | M | + | + | + | + | + | + | + | I | + | + | + | I | + | + | + | M | + | + | + | + |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Follicle, Cyst | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + |
| | | | | | | | | | | | | X | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Infiltration Cellular, Lymphocyte
Duct, Cyst | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Ovary
Cyst
Hemorrhage
Mineral
Follicle, Cyst | + | + | + | + | M | M | + | + | + | + | I | + | + | M | + | + | + | + | + | + | + | + | + | X |
| | | | | | | | | | X | | | | X | | | | | | | | | | | X |
| | | | | | | X | X | | | | | | | | | | | | | | | | | |
| Uterus
Angiectasis
Dilation
Hemorrhage | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | | | | 2 | | 2 | 2 | 4 | | 3 | | 3 | | 3 | | 2 | 3 | | | | | | 3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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Cell Phone Radiation: GSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | ANIMAL ID | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 |
| 0 W/kg | | | 4 | 0 | 5 | 7 | 4 | 4 | 4 | 5 | 3 | 4 | 2 | 5 | 5 | 4 | 3 | 9 | 5 | 5 | 5 | 5 | 4 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | 3 | 3 | 1 | 9 | 4 | 5 | 3 | 0 | 9 | 4 | 4 | 0 | 1 | 4 | 9 | 7 | 1 | 0 | 1 | 1 | 1 | 6 | 8 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |

females
(cont...)

Thrombus
Endometrium, Cyst
Endometrium, Hyperplasia, Cystic
Endometrium, Metaplasia, Squamous

2 1 2 3 2 3 3 1 2 2 3 2 3 1 2 2

Vagina

HEMATOPOIETIC SYSTEM

Bone Marrow
Hypercellularity
Hypocellularity
Myeloid Cell, Hypercellularity

+
3 2 2 2 3
4

Lymph Node
Hyperplasia, Lymphoid
Axillary, Infiltration Cellular, Mixed Cell
Axillary, Pigment
Bronchial, Hyperplasia, Lymphoid
Iliac, Hemorrhage
Iliac, Hyperplasia, Lymphoid
Iliac, Infiltration Cellular, Mixed Cell
Lumbar, Infiltration Cellular, Mixed Cell
Mediastinal, Hyperplasia, Lymphoid
Pancreatic, Hyperplasia, Lymphoid
Renal, Hemorrhage
Renal, Hyperplasia, Lymphoid

+
2 2 3 3 2 3 3
2 3 2 3 3 3

Lymph Node, Mandibular
Hemorrhage
Hyperplasia, Lymphoid

M + + + + M + + + + M + + M + + + + M + + + + M +
4 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|
| | | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | | 5 | 7 | 7 | 6 |
| 0 W/kg | ANIMAL ID | 4 | 0 | 5 | 7 | 4 | 4 | 4 | 5 | 3 | 4 | 2 | 5 | 5 | 4 | 3 | 9 | 5 | 5 | 5 | 5 | 4 | 6 | 4 | 4 | 4 |
| | | 3 | 3 | 1 | 9 | 4 | 5 | 3 | 0 | 9 | 4 | 4 | 0 | 1 | 4 | 9 | 7 | 1 | 0 | 1 | 1 | 6 | 8 | 5 | 0 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |

Infiltration Cellular, Mixed Cell

Lymph Node, Mesenteric
Erythrophagocytosis
Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte

+ M I + M + + M + + + + M + + A M M + + + + + +

1

Spleen
Atrophy
Extramedullary Hematopoiesis
Hyperplasia, Lymphoid
Capsule, Fibrosis

+ + A + + + + + + + + + + + + + + + + + + +

3

3 3 3 2 2 3 2

2 2 3

Thymus
Atrophy
Cyst
Hyperplasia, Lymphoid

+ +

3 4 4 4

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia, Focal
Hyperplasia, Diffuse
Duct, Dilation

+ + + + + + + + + + + + + + M + + + + + + + +

3

2

3

Skin
Ulcer
Hair Follicle, Atrophy

+ +

3 4

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
4
3 | 0
7
0
3 | 0
5
5
1 | 0
5
7
9 | 0
7
4
4 | 0
7
4
5 | 0
7
4
3 | 0
7
4
0 | 0
7
5
9 | 0
7
3
4 | 0
7
4
4 | 0
7
2
0 | 0
7
5
1 | 0
7
4
9 | 0
7
3
7 | 0
7
5
1 | 0
7
5
0 | 0
7
5
1 | 0
7
4
6 | 0
7
6
8 | 0
7
4
5 | 0
7
4
0 | 0
6
4
2 | females
(cont...) |
| | 0 W/kg | ANIMAL ID | 0
1
6
5 | 0
1
6
6 | 0
0
6
7 | 0
0
6
8 | 0
0
6
9 | 0
0
7
0 | 0
0
7
1 | 0
0
7
2 | 0
0
7
3 | 0
0
7
4 | 0
0
7
5 | 0
0
7
6 | 0
0
7
7 | 0
0
8
8 | 0
0
8
8 | 0
0
8
8 | 0
0
8
8 | 0
0
8
8 | 0
0
8
8 | 0
0
8
8 | 0
0
9
9 | 0
0
9
9 | |

Infiltration Cellular, Histiocyte
 Infiltration Cellular, Lymphocyte
 Inflammation, Acute
 Inflammation, Chronic
 Alveolar Epithelium, Hyperplasia, Focal

2
3

Mediastinum

Nose
 Inflammation, Acute

+ + + + + + + + + + I + + + + + + + + + + + + +
 3

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Harderian Gland
 Infiltration Cellular, Lymphocyte

+ + + + + + + + + + + + + M + + + + + + + + + + + +
 1 2 1

URINARY SYSTEM

Kidney
 Cyst
 Infarct
 Metaplasia, Osseous
 Nephropathy, Chronic Progressive
 Bilateral, Infarct
 Interstitium, Infiltration Cellular, Lymphocyte
 Pelvis, Dilatation
 Renal Tubule, Dilatation

+
 2 1 2 2 1 2 2 1 1 1
 3
 1 1 2 1 1 2 2 2 1 1 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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Experiment Number: 20105 - 78
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 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| B6C3F1 MICE FEMALE | 0 W/kg | DAY ON TEST | 073 | 073 | 051 | 059 | 074 | 075 | 073 | 070 | 079 | 074 | 074 | 070 | 077 | 074 | 077 | 077 | 077 | 077 | 077 | 077 | 075 | 077 | 077 | 077 | 077 | 056 | 074 | 074 | 070 | 064 | 064 | 062 | |
| | | ANIMAL ID | 001 | 001 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |
| | | | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 |

females
(cont...)

Renal Tubule, Mineral

1

Urinary Bladder

+ + + + + + + + + M + + + + M + + + + + + + +

Infiltration Cellular, Lymphocyte

1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 |
| 0 W/kg | | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 0 | 4 | 5 | 4 | |
| | | 0 | 6 | 0 | 4 | 3 | 8 | 5 | 7 | 3 | 0 | 3 | 7 | 3 | 0 | 4 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 87 |
| Gallbladder | + | + | + | + | A | + | + | A | + | + | + | + | + | + | A | 79 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 2 | | | | 2 2.0 |
| Intestine Large, Cecum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | 84 |
| Intestine Large, Colon | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | 84 |
| Intestine Large, Rectum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | 88 |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | 82 |
| Inflammation, Acute | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Ileum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | 83 |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | A | + | + | + | + | + | + | A | 84 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Basophilic Focus | | | | | | | | | | | | | | | | 4 |
| Clear Cell Focus | | | | | | | | | | | | | | X | | 1 |
| Eosinophilic Focus | | | | | X | | | | | | | X | | | | 2 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | 1 1.0 |
| Fatty Change | | | | | 3 | 3 | | | | | | | | 1 | | 7 2.1 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | 2 | | | | | | | | | | 1 | 1 | | 33 1.3 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | 2 | | | | | | 1 2.0 |
| Inflammation, Focal | | | | | | | | | | | | | | | | 4 1.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | |
|---|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------|
| | 0750 | 0754 | 0755 | 0754 | 0749 | 0748 | 0757 | 0755 | 0777 | 0774 | 0774 | 0766 | 0777 | 0773 | 0767 | 0764 | | |
| ANIMAL ID | 001933 | 001934 | 001935 | 001936 | 001937 | 001938 | 001939 | 001940 | 001941 | 001942 | 001943 | 001944 | 001945 | 001946 | 001947 | 001948 | | |
| | 001933 | 001934 | 001935 | 001936 | 001937 | 001938 | 001939 | 001940 | 001941 | 001942 | 001943 | 001944 | 001945 | 001946 | 001947 | 001948 | | |
| | 119933 | 119934 | 119935 | 119936 | 119937 | 119938 | 119939 | 119940 | 119941 | 119942 | 119943 | 119944 | 119945 | 119946 | 119947 | 119948 | | |
| | 3345670134567890 | 445678901234567890 | 556789012345678901 | 667890123456789012 | 778901234567890123 | 889012345678901234 | 990123456789012345 | 001234567890123456 | 112345678901234567 | 223456789012345678 | 334567890123456789 | 445678901234567890 | 556789012345678901 | 667890123456789012 | 778901234567890123 | 889012345678901234 | 990123456789012345 | |
| | | | | | | | | | | | | | | | | | * TOTALS | |
| Inflammation, Chronic Active Mixed Cell Focus | | | | | | | | | | | | | | | | | X | 1 2.0 |
| Necrosis | | | | | 4 | | | | | | | | | | | | 3 | 5 |
| Hepatocyte, Fatty Change, Focal Kupffer Cell, Hyperplasia | | 2 | | | | | | | | | | | | | | | | 6 2.8 |
| Mesentery | + | | | | | | + | | | | | | | | | | | 3 1.3 |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 1 3.0 |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 5 |
| Fat, Necrosis | | 3 | | | | | 3 | | | | | | | | | | | 6 2.8 |
| Pancreas | + | + | + | + | A | + | + | + | + | + | + | + | + | + | M | | | 87 |
| Infiltration Cellular, Lymphocyte | 1 | | 2 | | | | 1 | | 1 | 1 | 1 | 2 | | 1 | | | | 27 1.4 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 4.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 |
| Atrophy | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | 1 | | | 1 | | 2 | 1 | 2 | 1 | | 1 | 2 | 2 | | 1 | | | 59 1.4 |
| Stomach, Forestomach | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | | 86 |
| Stomach, Glandular | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | | 85 |
| Cyst | | | | | | | | | | | | | | | | | | 3 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | |
| Aorta | M | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | 84 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 3.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 |

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Lab: IIT

| | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 |
| 0 W/kg | | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 0 | 4 | 5 | 4 | 4 | |
| | | 0 | 6 | 0 | 4 | 3 | 8 | 5 | 7 | 3 | 0 | 3 | 7 | 0 | 0 | 4 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | |
|---|-------|
| Bacteria | 1 |
| Cardiomyopathy | 3 1.3 |
| Thrombus | 3 2.7 |
| Epicardium, Infiltration Cellular, Mixed Cell | 1 2.0 |
| Epicardium, Infiltration Cellular, Mononuclear Cell | 1 1.0 |
| Myocardium, Fibrosis | 1 1.0 |
| Myocardium, Inflammation, Chronic Active | 1 2.0 |
| Myocardium, Mineral | 4 1.8 |
| Valve, Hemorrhage | 1 2.0 |
| Valve, Infiltration Cellular, Lymphocyte | 1 1.0 |
| Valve, Thrombus | 1 3.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Angiectasis | | | | | | | | | | | | | | | | | 1 3.0 |
| Hemorrhage | | | | | | | | | | | 2 | | | | | | 1 2.0 |
| Mineral | | | | | | | | | | | | | | | | | 1 2.0 |
| Bilateral, Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | 1 1.0 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 81 2.2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Hemorrhage | | | | | | | | | | | | | 2 | | | | 2 2.0 |
| Mineral | | | | | | | | | | | | | | | | | 1 2.0 |
| Islets, Pancreatic | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | 87 |
| Hyperplasia | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 3 1.3 |
| Parathyroid Gland | + | + | M | + | + | + | + | + | M | M | M | M | M | M | M | M | 60 |

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+ .. Tissue examined microscopically

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| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|----------|-----|
| | 0
7
5
0 | 0
7
4
6 | 0
7
5
0 | 0
7
4
4 | 0
4
9
3 | 0
6
4
8 | 0
7
4
5 | 0
5
7
3 | 0
7
4
0 | 0
7
4
3 | 0
6
0
7 | 0
7
4
3 | 0
7
5
0 | 0
6
4
4 | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| Cyst | | | | | | | | | | | | | | | | 1 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | 80 | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | 2 | 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | 1 | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | 2 | 3.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | A | 86 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | 1.0 |
| Follicle, Cyst | | | | | | | | | | | | | | | | 1 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | 1 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | 82 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 3 | 1.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | 1 | |
| Ovary | I | + | + | + | + | M | + | M | + | + | + | + | + | + | + | 75 | |
| Cyst | | X | | | | | | | | | | | X | | | 9 | |
| Hemorrhage | | | | | | | | | | | | | | | | 1 | 3.0 |
| Mineral | | | | | | | | | | | | | | | | 1 | 2.0 |
| Follicle, Cyst | | | | | | | | | | | | | | | | 9 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Angiectasis | | | | | | | | | | | | | | | | 1 | 3.0 |
| Dilation | 3 | | | 3 | | | | 2 | | 3 | | 3 | | | | 35 | 2.5 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 | 4.0 |

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| | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 4 | 0 | 4 | 5 | 4 | |
| | | 0 | 6 | 0 | 4 | 3 | 8 | 5 | 7 | 3 | 0 | 3 | 7 | 3 | 0 | 4 | |
| 0 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|--|---|---|--|---|---|---|--|---------------|
| Thrombus | | | | | | | | | | | | | | | | 1 3.0 |
| Endometrium, Cyst | | | | | | | | | | | | | | | | 3 |
| Endometrium, Hyperplasia, Cystic | 3 | 3 | 3 | 3 | 3 | 2 | 3 | | 2 | 3 | | 2 | 2 | 1 | | 68 2.5 |
| Endometrium, Metaplasia, Squamous | | | | | | | | | | | | | | | | 1 3.0 |

Vagina **0**

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hypercellularity | | | | | | | | | | | | | | | | 7 2.4 |
| Hypocellularity | | | | | | | | | | | | | | | | 1 3.0 |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | 1 4.0 |

| | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--------------|
| Lymph Node | + | | | | | | | | + | | | | | | | 18 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |
| Axillary, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Axillary, Pigment | | | | | | | | | | | | | | | | 1 2.0 |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 2.0 |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | 1 3.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 4 2.5 |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Lumbar, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 3.0 |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | 1 3.0 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 3 3.3 |

| | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Lymph Node, Mandibular | + | I | M | + | + | + | + | + | + | M | + | + | + | + | + | 76 |
| Hemorrhage | | | | | | | | | | | | | | | | 3 2.7 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
| | 0750 | 0754 | 0756 | 0774 | 0779 | 0784 | 0785 | 0787 | 0793 | 0797 | 0797 | 0797 | 0806 | 0807 | 0807 | | |
| 0 W/kg | 00193 | 00044 | 00050 | 00044 | 00093 | 00084 | 00085 | 00077 | 00043 | 00044 | 00044 | 00000 | 00043 | 00050 | 00044 | | |
| | 00119 | 00011 | 00009 | 00001 | 00002 | 00002 | 00002 | 00002 | 00002 | 00002 | 00002 | 00002 | 00002 | 00002 | 00001 | 00000 | |

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | + | + | + | + | + | I | + | A | 71 | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 | 1.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 | 3.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 3 | 2.0 |
| Spleen | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | 86 | |
| Atrophy | | | | | | | | | | | | | | | | 1 | 3.0 |
| Extramedullary Hematopoiesis | | | | | | | | | | 2 | 2 | | | | | 20 | 2.5 |
| Hyperplasia, Lymphoid | | | | | | | | | | 2 | | | | | | 11 | 2.2 |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | 1 | 3.0 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | |
| Atrophy | | | | | | | | | | | | | | | | 5 | 3.6 |
| Cyst | | | | | | | | | | X | | | | | | 2 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 | 2.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 | 3.0 |
| Hyperplasia, Diffuse | | | | | | | | | | | | | | | | 1 | 2.0 |
| Duct, Dilation | | | | | | | | | | | | | | | | 1 | 3.0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Ulcer | | | | | | | | | | | | | | | | 2 | 3.5 |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | 2 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 |
| 0 W/kg | | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 0 | 4 | 5 | 4 | |
| | | 0 | 6 | 0 | 4 | 3 | 8 | 5 | 7 | 3 | 0 | 3 | 7 | 3 | 0 | 4 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|-----------|------------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | 1 | | | 11 | 2.1 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 2 | | | | 16 | 1.1 |
| Mineral | | | | | | | | 1 | | | | | | | | | 1 | 1.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 87 | | |
| Hemorrhage | | | | | | | | 2 | | | | | | | | | 2 | 2.0 |
| Hydrocephalus | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Mineral | 2 | | | 2 | 1 | 2 | 2 | | | 1 | 2 | 2 | 1 | 1 | 1 | | 80 | 1.6 |
| Necrosis | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Brain Trigeminal Ganglion | + | M | M | + | + | + | + | + | + | + | + | + | + | M | + | 75 | | |
| Nerve Trigeminal | + | + | + | + | + | + | M | + | + | + | + | M | + | + | M | 56 | | |
| Peripheral Nerve, Sciatic | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
| Axon, Degeneration | | | | | | | | | | | | | | | | | 12 | 1.2 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|----------|------------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | 4 | 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---------------------------|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 |
| | 0 W/kg | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 0 | 4 | 5 | 4 | 4 |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|----------|------------|
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 | 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 2 | | 3 | 2.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | 1 | 3.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | 1 | 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | 1 | 2.0 |

| | | | | | | | | | | | | | | | | | |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--|
| Mediastinum | | | | | | | | | | | | | | | | 2 | |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--|

| | | | | | | | | | | | | | | | | | |
|---------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Inflammation, Acute | | | | | | | | | | | | | | | | 1 | 3.0 |

| | | | | | | | | | | | | | | | | | |
|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Infiltration Cellular, Lymphocyte | | 1 | | 1 | 1 | 1 | | | 1 | 1 | | 1 | 2 | 1 | 2 | 58 | 1.2 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|--------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | A | 89 | |
|--------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|

| | | | | | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| Cyst | | | | | | | | | | | | | | | | | 1 |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|

| | | | | | | | | | | | | | | | | | |
|---------|--|--|---|--|--|---|--|--|--|---|--|--|---|--|--|-----------|------------|
| Infarct | | | 2 | | | 3 | | | | 1 | | | 2 | | | 14 | 1.7 |
|---------|--|--|---|--|--|---|--|--|--|---|--|--|---|--|--|-----------|------------|

| | | | | | | | | | | | | | | | | | |
|---------------------|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|----------|--|
| Metaplasia, Osseous | | | | | | X | | | | | | | | | | 2 | |
|---------------------|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|----------|--|

| | | | | | | | | | | | | | | | | | |
|----------------------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|
| Nephropathy, Chronic Progressive | | 1 | | | | | | | | | | | | | | 8 | 1.5 |
|----------------------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|

| | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|
| Bilateral, Infarct | | | | | | | | | | | | | | | | 1 | 3.0 |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|

| | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|--|---|--|--|---|---|---|---|---|---|-----------|------------|
| Interstitialium, Infiltration Cellular, Lymphocyte | | 2 | 2 | 2 | 2 | | 1 | | | 1 | 3 | 2 | 2 | 2 | 2 | 63 | 1.6 |
|--|--|---|---|---|---|--|---|--|--|---|---|---|---|---|---|-----------|------------|

| | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|
| Pelvis, Dilatation | | | | | | | | | | | | | | | | 1 | 3.0 |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|

| | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|
| Renal Tubule, Dilation | | | | | | | | | | | | | | | | 1 | 1.0 |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

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Species/Strain: MICE/B6C3F1

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Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 6 |
| 0 W/kg | ANIMAL ID | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 4 | 0 | 4 | 5 | 4 | 4 | 4 | 4 |
| | | 0 | 6 | 0 | 4 | 3 | 8 | 5 | 7 | 3 | 0 | 3 | 7 | 3 | 0 | 4 | 0 | 4 | 4 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 |
| | | * TOTALS | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | 86 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | 62 1.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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Experiment Number: 20105 - 78
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| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
6
3
8 | 0
7
5
2 | 0
7
4
3 | 0
7
3
9 | 0
7
3
9 | 0
7
4
3 | 0
5
6
2 | 0
7
4
0 | 0
7
4
5 | 0
7
5
0 | 0
7
4
5 | 0
7
4
4 | 0
7
1
6 | 0
7
3
5 | 0
7
3
0 | 0
7
4
5 | 0
7
5
1 | 0
7
5
0 | 0
7
5
2 | 0
7
5
0 | 0
4
4
7 | 0
7
4
6 | females
(cont...) |
| | ANIMAL ID | 0
0
3
1
6 | 0
0
3
1
7 | 0
0
3
1
8 | 0
0
3
1
9 | 0
0
3
2
0 | 0
0
3
2
1 | 0
0
3
2
2 | 0
0
3
2
4 | 0
0
3
2
6 | 0
0
3
2
8 | 0
0
3
2
9 | 0
0
3
3
0 | 0
0
3
3
1 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
3
5 | 0
0
3
3
6 | 0
0
3
3
7 | 0
0
3
3
8 | 0
0
3
3
0 | 0
0
3
3
1 | 0
0
3
3
2 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder
Cyst
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | M |
| | | | | | | | | | | 2 | | | | | | 2 | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | A | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | 1 | | | 2 | 1 | | 1 | | | | | 1 | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--------------------------------|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ANIMAL ID | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 5 | 4 | 3 | 3 | 4 | 6 | 4 | 4 | 4 | 5 | 4 | 4 | 1 | 4 | 3 | 3 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 8 | 2 | 3 | 9 | 9 | 3 | 2 | 0 | 5 | 3 | 0 | 5 | 4 | 6 | 5 | 9 | 0 | 0 | 5 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| | | Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| | | Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| | | Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| | | Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| | | Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| | | Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| | | Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| | | Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | A | | | | | | |
| | | Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Cyst | | | | | | | | | | | | | | | | | | | | | | | | | A | | | | | | |

females
(cont...)

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
6
3
8 | 0
7
5
2 | 0
7
4
3 | 0
7
3
9 | 0
7
3
9 | 0
7
4
2 | 0
5
6
0 | 0
7
4
5 | 0
7
4
3 | 0
5
4
0 | 0
7
4
5 | 0
7
4
4 | 0
7
1
6 | 0
7
4
5 | 0
7
3
0 | 0
7
5
0 | 0
7
4
5 | 0
7
5
1 | 0
7
5
0 | 0
7
5
2 | 0
7
5
0 | 0
4
4
7 | 0
7
4
4 | 0
7
4
6 | females
(cont...) |
| | ANIMAL ID | 0
0
3
1
6 | 0
0
3
1
7 | 0
0
3
1
8 | 0
0
3
1
9 | 0
0
3
2
0 | 0
0
3
2
1 | 0
0
3
2
2 | 0
0
3
2
4 | 0
0
3
2
6 | 0
0
3
2
8 | 0
0
3
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9 | 0
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3
3
0 | 0
0
3
3
1 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
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5 | 0
0
3
3
6 | 0
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3
7 | 0
0
3
3
8 | 0
0
3
3
0 | 0
0
3
3
1 | 0
0
3
3
2 | 0
0
3
4
3 | 0
0
3
4
4 | |

Follicular Cell, Hyperplasia, Focal

2

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

+ + + + M + + M + + + + + + + + + + + + M + +

Ovary

+ + + + + + + + + + + + + + + + M + + + + + +

Angiectasis

Cyst

X X X X X

Hemorrhage

4

Hyperplasia, Cystic, Papillary

3

Follicle, Cyst

X

X

X

Granulosa Cell, Hyperplasia

Uterus

+ +

Angiectasis

2

4

3

Congestion

2

Dilation

2

2

3

3

4

3

3

3

3

3

3

3

Hemorrhage

3

Inflammation, Acute

Endometrium, Hyperplasia

3 2 3 3 1 2 2 3 3 2 3 2 1 2 3 3 3 3 2

Endometrium, Hyperplasia, Cystic

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Hypercellularity

3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|--------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----------------------|
| | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 07 | 07 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 04 | 07 | | |
| 2.5 W/kg | 38 | 52 | 43 | 39 | 39 | 43 | 62 | 40 | 45 | 43 | 50 | 45 | 44 | 16 | 45 | 39 | 00 | 00 | 05 | 45 | 51 | 02 | 07 | 46 | | |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | | |
| | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | | |
| | 67 | 78 | 89 | 90 | 01 | 02 | 04 | 06 | 08 | 09 | 00 | 01 | 03 | 04 | 05 | 06 | 07 | 08 | 00 | 01 | 02 | 03 | 04 | 05 | | |

Hypocellularity

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | M | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | 0638 | 0752 | 0743 | 0733 | 0743 | 0562 | 0740 | 0774 | 0773 | 0773 | 0574 | 0774 | 0774 | 0771 | 0774 | 0773 | 0775 | 0774 | 0775 | 0775 | 0775 | 0444 | 0747 | 0746 | |
| | ANIMAL ID | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 | 0031 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

Necrosis
Artery, Meninges, Inflammation, Chronic Active

Brain Trigeminal Ganglion

Nerve Trigeminal

Peripheral Nerve, Sciatic
Axon, Degeneration

Spinal Cord
Cyst, Squamous

Necrosis
Artery, Meninges, Inflammation, Chronic Active

RESPIRATORY SYSTEM

Lung
Congestion
Hemorrhage
Hyperplasia, Lymphoid

Infiltration Cellular, Histiocyte
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Mononuclear Cell
Alveolar Epithelium, Hyperplasia, Focal
Serosa, Inflammation, Chronic

Nose
Respiratory Epithelium, Accumulation, Hyaline
Droplet

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

Test Type: CHRONIC

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|
| B6C3F1 MICE FEMALE

2.5 W/kg | DAY ON TEST | 0
6
3
8 | 0
7
5
2 | 0
7
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3 | 0
7
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9 | 0
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3
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5
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4 | 0
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6 | 0
7
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5 | 0
7
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0 | 0
7
5
0 | 0
7
4
5 | 0
7
5
1 | 0
7
5
2 | 0
7
5
0 | 0
4
4
7 | 0
7
4
4 | 0
7
4
6 | females
(cont...) | |
| | ANIMAL ID | 0
0
3
1
6 | 0
0
3
1
7 | 0
0
3
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8 | 0
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5 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Cornea, Inflammation, Chronic Active
Cornea, Necrosis

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|---|--|---|---|---|--|---|---|---|---|---|---|---|--|---|---|--|--|---|---|---|
| 1 | 1 | 1 | | 1 | | 1 | 1 | 2 | | 2 | 2 | 1 | 1 | 2 | 2 | 1 | | 1 | 1 | | | 1 | 2 | 1 |
|---|---|---|--|---|--|---|---|---|--|---|---|---|---|---|---|---|--|---|---|--|--|---|---|---|

Lacrimal Gland

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Glomerulopathy, Hyaline
Infarct
Metaplasia, Osseous
Nephropathy, Chronic Progressive
Interstitial, Infiltration Cellular, Lymphocyte
Papilla, Mineral
Renal Tubule, Hyaline Droplet
Renal Tubule, Vacuolization Cytoplasmic

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Infiltration Cellular, Lymphocyte
Arteriole, Inflammation, Chronic

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|---|---|---|--|---|---|--|---|---|---|--|---|---|---|--|---|--|--|---|---|--|
| 1 | 2 | | | 2 | 1 | 2 | | 2 | 2 | | 1 | 2 | 1 | | 2 | 1 | 2 | | 2 | | | 2 | 2 | |
|---|---|--|--|---|---|---|--|---|---|--|---|---|---|--|---|---|---|--|---|--|--|---|---|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0744 | 0674 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| | ANIMAL ID | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | M A + M + + + + + + + + M A + + A + + + + A M + + M | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | X | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + A + + + + + + + + + + + A + + A + + + + A + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + A + + + + + + + + + + + A + + + + + + + A + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + A + + + + + + + + + + + A + + + + + + + A + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + A + + + + + + + + + + + A + + + + + + + A + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + A + + + + + + + + + + + A + + A + + + + A + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + A + + + + + + + + + + + A + + + + + + + A + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Peyer's Patch, Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 1 1 2 2 2 1 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | 7 |
| | | 4 | 7 | 4 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 5 | 1 | 4 | 3 | 1 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | | |
| | | 4 | 7 | 4 | 2 | 0 | 6 | 9 | 4 | 5 | 3 | 6 | 0 | 7 | 3 | 7 | 7 | 4 | 0 | 5 | 1 | 5 | 0 | 4 | 3 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | | |
| | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |

Necrosis
Bile Duct, Cyst

X

Mesentery
Artery, Inflammation, Chronic
Fat, Infiltration Cellular, Lymphocyte
Fat, Inflammation, Granulomatous
Fat, Mineral
Fat, Necrosis

+ + + + + + + + A + + + + + + + + + + + +
3
1
2
2
3
3
3 2

Pancreas
Infiltration Cellular, Lipocyte
Infiltration Cellular, Lymphocyte
Duct, Cyst

+ + + + + + + + + + + + A + + + + + + + + + + + +
1 1 1 1 2 1 2 1 1
4

Salivary Glands
Infiltration Cellular, Lymphocyte
Inflammation, Acute
Arteriole, Inflammation, Chronic

+
2 2 2 1 1 1 2 2 1 1 3 1 1 2 2 2 2 2
3 2

Stomach, Forestomach
Ulcer

+
2

Stomach, Glandular
Cyst

+ + + + + + + + + + + + A + + + + + + + + + + + + + +
X X

CARDIOVASCULAR SYSTEM

Aorta

+ M +

Heart

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|--------------------|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|
| B6C3F1 MICE FEMALE | | 0744 | 0674 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | | 0774 |
| 2.5 W/kg | | 0446 | 0747 | 0447 | 0548 | 0548 | 0449 | 0349 | 0449 | 0549 | 0349 | 0649 | 0049 | 0049 | 0049 | 0049 | 0049 | 0049 | 0049 | 0049 | 0049 | | 0049 |
| ANIMAL ID | | 0034 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | |

Bacteria
 Cardiomyopathy 1
 Thrombus
 Artery, Inflammation, Chronic Active 2
 Myocardium, Inflammation, Acute

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Adrenal Medulla | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | M | + | + | + | M | M | M | + | + | + | M | + | M | M | M | M | M | + | + | M | M | M |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | 3 | | | | | | | | | 2 | | | 1 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | 1 | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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 1) Minimal 3) Moderate
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Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|---|------------------------------|--|--|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7 | 0
6 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
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7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | | | | | | |
| | ANIMAL ID | 4 | 7 | 4 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 5 | 1 | 4 | 3 | 1 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | | 5 | 4 | | | |
| 2.5 W/kg | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Follicular Cell, Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 2 |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

+ + + + + + + + + + + + + + + M + + + + + + +

Ovary

+ + + + + + + + + + I + + + + I + + + + + + + +

 Angiectasis

3

 Cyst

X

X

X

 Hemorrhage

 Hyperplasia, Cystic, Papillary

 Follicle, Cyst

X

X

X

 Granulosa Cell, Hyperplasia

3

Uterus

+ +

 Angiectasis

3

 Congestion

 Dilation

3

3

3

4

2

3

 Hemorrhage

 Inflammation, Acute

3

 Endometrium, Hyperplasia

3

 Endometrium, Hyperplasia, Cystic

3

2

3

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3

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3

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2

2

2

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

 Hypercellularity

3

2

2

3

2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

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| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
| | 0
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4 | 0
6
7
7 | 0
7
4
4 | 0
7
5
2 | 0
7
5
0 | 0
7
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6 | 0
7
3
9 | 0
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4 | 0
7
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5 | 0
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4 | 0
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7
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1 | 0
7
4
5 | 0
7
4
4 | 0
7
4
4 | 0
7
5
1 | 0
7
7
3 | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Lymph Node, Mandibular | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Spleen | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| Thymus | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | X |

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X .. Lesion present

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 Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | | 7 |
| | 4 | 7 | 4 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 5 | 1 | 4 | 3 | 1 | 4 | 5 | 4 | 5 | 4 | 4 | |
| | 4 | 7 | 4 | 2 | 0 | 6 | 9 | 4 | 5 | 3 | 6 | 0 | 7 | 3 | 7 | 7 | 4 | 0 | 5 | 1 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Necrosis
Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | 3 | | | | | | | |
| | | | | | | | | | | | | | | | 3 | 2 | | | | 2 | 2 | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | |
| Nerve Trigeminal | + | + | M | M | M | + | + | + | + | + | M | M | + | M | + | + | + | M | M | M | M | |
| Peripheral Nerve, Sciatic
Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | I | + | + | I | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | 2 | 1 | 1 | | | | |
| Spinal Cord
Cyst, Squamous
Necrosis
Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | 2 | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion | | 2 | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | 3 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | 1 | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | 2 |
| Serosa, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | 1 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Respiratory Epithelium, Accumulation, Hyaline
Droplet | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | 2.5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 4 | 7 | 4 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 1 | 4 | 3 | 1 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 |
| | | 4 | 7 | 4 | 2 | 0 | 6 | 9 | 4 | 5 | 3 | 6 | 0 | 7 | 3 | 7 | 7 | 4 | 0 | 5 | 1 | 5 | 0 | 4 | 4 | 1 | 5 | 0 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 2 | | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | | |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Glomerulopathy, Hyaline | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | 1 | | | | | | | | | | | | | | | | 3 | 2 | | | | | | | | 1 | | | | | | | | 2 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | | | | 1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 2 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | 2 | 2 | 1 | 1 | | | | 1 | 1 | | | | | 2 | 1 | 2 | 1 | | | | | | | |
| Papilla, Mineral | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | 2 | | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | | | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | 2 | |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 2.5 W/kg | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 4 | 3 | 4 | 4 | 5 | 3 | 5 | 5 | 0 | 4 | 4 | 5 | 5 | 8 | 4 | 4 | 4 | 4 | 4 | 3 | 0 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | | 3 | 5 | 9 | 3 | 0 | 1 | 9 | 2 | 2 | 3 | 6 | 0 | 1 | 0 | 7 | 6 | 0 | 3 | 0 | 1 | 4 | 7 | 4 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | | | | | | | | | |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | | | | | | |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|--|--|
| | 0
7
4
3 | 0
7
4
5 | 0
7
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9 | 0
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7
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1 | 0
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0 | 0
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8
7 | 0
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6 | 0
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7
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3 | 0
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3
1 | 0
6
4
7 | 0
7
4
4 | 0
7
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0 | 0
7
4
6 | | | | |
| Necrosis | 4 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | 3 | | | | | | 2 | | | | | | 3 | | | | | | 2 | | | | | | 2 | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aorta | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
Time Report Requested: 12:30:15
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | females (cont...) | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------|--|
| | | 7 | | | | | | | | | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 3 | 4 | 4 | 5 | 3 | 5 | 5 | 0 | 4 | 4 | 5 | 5 | 8 | 4 | 4 | 4 | 4 | 3 | 0 | |
| | | 3 | 5 | 9 | 3 | 0 | 1 | 9 | 2 | 2 | 3 | 6 | 0 | 1 | 0 | 7 | 6 | 0 | 3 | 0 | 1 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | |
| | | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | |

Bacteria
Cardiomyopathy
Thrombus
Artery, Inflammation, Chronic Active
Myocardium, Inflammation, Acute

X
3
2

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| Adrenal Medulla | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Islets, Pancreatic | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | 2 | | | | | | | | | | | | | 2 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | M | M | + | M | + | + | + | M | + | M | + | + | M | M | + | + | + | + | M | + | + |
| Pituitary Gland | + | + | + | I | + | A | I | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | |
| Pars Distalis, Angiectasis | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | X | | | | | | | | | | X | |
| Pars Distalis, Hyperplasia, Focal | | | | 2 | | | | | | | | | | | | | | | | 2 | | | | | |
| Thyroid Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | 0
7
4
3 | 0
7
4
5 | 0
7
3
9 | 0
7
4
3 | 0
7
4
0 | 0
7
5
1 | 0
7
3
9 | 0
7
5
2 | 0
7
5
2 | 0
4
0
3 | 0
7
4
6 | 0
7
4
1 | 0
7
5
0 | 0
6
8
7 | 0
7
4
6 | 0
7
4
0 | 0
7
4
3 | 0
7
7
1 | 0
6
6
4 | 0
7
4
7 | 0
7
4
0 | 0
7
4
6 | females
(cont...) |
| | ANIMAL ID | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 | 0
0
3
7
5 | 0
0
3
7
8 | 0
0
3
7
9 | 0
0
3
7
1 | 0
0
3
8
2 | 0
0
3
8
3 | 0
0
3
8
5 | 0
0
3
8
7 | 0
0
3
8
8 | 0
0
3
8
9 | 0
0
3
9
0 | 0
0
3
9
1 | 0
0
3
9
3 | 0
0
3
9
4 | 0
0
3
9
5 | 0
0
3
9
6 | 0
0
3
9
7 | 0
0
3
9
8 | 0
0
3
9
9 | |

Follicular Cell, Hyperplasia, Focal

2

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

+ + + + + + + + + + + + M + + + + + M + + + +

Ovary

+ +

Angiectasis

Cyst

Hemorrhage

Hyperplasia, Cystic, Papillary

Follicle, Cyst

Granulosa Cell, Hyperplasia

X X X X X X
X X X X X X X X X X
X X

Uterus

Angiectasis

Congestion

Dilation

Hemorrhage

Inflammation, Acute

Endometrium, Hyperplasia

Endometrium, Hyperplasia, Cystic

+
2
2 4 4 3 2 3 3 1 3
3 2 2 3 2 2 2 3 3 2 2 3 2 3 3 2 3 3 3 3 2

HEMATOPOIETIC SYSTEM

Bone Marrow

Hypercellularity

+ + I +
4 X

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|---|----------------------|---|
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 4 | 4 | 3 | 4 | 4 | 5 | 3 | 5 | 5 | 0 | 4 | 4 | 5 | 5 | 8 | 4 | 4 | 4 | 4 | 3 | 0 | | |
| | | 3 | 5 | 9 | 3 | 0 | 1 | 9 | 2 | 2 | 3 | 6 | 0 | 1 | 0 | 7 | 6 | 0 | 3 | 0 | 1 | 4 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | M | + | M | + | + | + | M | + | + | + | + | M | + | + | + | + | + | M | + | M | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | A | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 1 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Thymus | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | M |
| Atrophy | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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Experiment Number: 20105 - 78

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 4 | 4 | 3 | 4 | 4 | 5 | 3 | 5 | 5 | 0 | 4 | 4 | 5 | 5 | 8 | 4 | 4 | 4 | 4 | 3 | 0 | 6 | 4 | 4 | 4 | | 4 |
| | | 3 | 5 | 9 | 3 | 0 | 1 | 9 | 2 | 2 | 3 | 6 | 0 | 1 | 0 | 7 | 6 | 0 | 3 | 0 | 1 | 4 | 7 | 4 | 0 | 6 | | 6 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | | | |

Infiltration Cellular, Histiocyte

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia, Diffuse
Duct, Dilation

+ + + + + + + + + M + + + + + + + + + + + + +

Skin
Inflammation, Chronic
Ulcer
Hair Follicle, Atrophy

+ + + + + + + + + + + 4 + + + + + + + + + + +

MUSCULOSKELETAL SYSTEM

Bone
Decreased Bone
Fibro-Osseous Lesion
Increased Bone
Periosteum, Vertebra, Inflammation,
Granulomatous

+ +

Skeletal Muscle
Infiltration Cellular, Lymphocyte
Arteriole, Inflammation, Chronic

+ + + + + + + 1 + + + + + + + + + + + + + + +

NERVOUS SYSTEM

Brain
Inflammation, Chronic
Mineral

+
1 2 1 1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
4
3 | 0
7
4
5 | 0
7
3
9 | 0
7
4
3 | 0
7
4
0 | 0
7
5
1 | 0
7
3
9 | 0
7
5
2 | 0
7
5
2 | 0
7
0
3 | 0
7
4
6 | 0
7
4
5 | 0
7
5
5 | 0
7
8
4 | 0
7
4
7 | 0
7
4
3 | 0
7
4
0 | 0
7
6
1 | 0
7
6
4 | 0
7
7
7 | 0
7
7
4 | 0
7
7
0 | 0
7
7
6 | 0
7
7
4 | 0
7
7
4 | 0
7
7
6 | |
| | 2.5 W/kg | ANIMAL ID | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 | 0
0
3
7
5 | 0
0
3
7
7 | 0
0
3
7
8 | 0
0
3
7
9 | 0
0
3
8
1 | 0
0
3
8
2 | 0
0
3
8
3 | 0
0
3
8
4 | 0
0
3
8
5 | 0
0
3
8
6 | 0
0
3
8
7 | 0
0
3
8
8 | 0
0
3
8
9 | 0
0
3
9
0 | 0
0
3
9
1 | 0
0
3
9
2 | 0
0
3
9
3 | 0
0
3
9
4 | 0
0
3
9
5 | 0
0
3
9
6 | 0
0
3
9
7 | 0
0
3
9
8 | 0
0
3
9
9 |

females
(cont...)

Necrosis
Artery, Meninges, Inflammation, Chronic Active

Brain Trigeminal Ganglion

Nerve Trigeminal

Peripheral Nerve, Sciatic
Axon, Degeneration

Spinal Cord
Cyst, Squamous
Necrosis
Artery, Meninges, Inflammation, Chronic Active

RESPIRATORY SYSTEM

Lung
Congestion
Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Mononuclear Cell
Alveolar Epithelium, Hyperplasia, Focal
Serosa, Inflammation, Chronic

Nose
Respiratory Epithelium, Accumulation, Hyaline
Droplet

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------|-------------|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 2.5 W/kg | ANIMAL ID | 4 | 4 | 3 | 4 | 4 | 5 | 3 | 5 | 5 | 0 | 4 | 4 | 5 | 5 | 8 | 4 | 4 | 4 | 4 | 3 | 0 | 6 | 7 |
| | | 3 | 5 | 9 | 3 | 0 | 1 | 9 | 2 | 2 | 3 | 6 | 0 | 1 | 0 | 7 | 6 | 0 | 3 | 0 | 1 | 4 | 7 | 4 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | females (cont...) | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | | 1 | 2 | 1 | 1 | | | 1 | 1 | 2 | | 1 | 1 | | 1 |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Glomerulopathy, Hyaline | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | | | | 2 | 1 | | | 1 | | | | | | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |
| Papilla, Mineral | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 2 | 2 | | 3 | 1 | | | 1 | 1 | 2 | | | | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 |
| | | 8 | 1 | 0 | 5 | 0 | 6 | 0 | 5 | 0 | 6 | 0 | 1 | 0 | 6 | 1 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Gallbladder | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 75 |
| Cyst | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | 2 | | | | | | | | 5 1.6 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Basophilic Focus | | | | | X | | | | | | | | | | | 2 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | 1 |
| Fatty Change | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | 1 | | | | 2 | 2 | | 1 | 25 1.4 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Focal | | | | | | | | | | | | | | | | 2 1.5 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2.5 W/kg | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | |
| | 8 | 1 | 0 | 5 | 0 | 6 | 0 | 5 | 0 | 6 | 0 | 1 | 0 | 6 | 1 | |
| | ANIMAL ID | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | 5 |
| Necrosis | | | | | | | | | | | | | | | | 2.2 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | | | | | | | | | 24 |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | 2 |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 3.0 |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | 1 |
| Fat, Mineral | | | | | | | | | | | | | | | | 2.0 |
| Fat, Necrosis | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | 2.0 |
| | | | | | | | | | | | | | | | | 19 |
| | | | | | | | | | | | | | | | | 2.4 |
| Pancreas | | | | | | | | | | | | | | | | 88 |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 4.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | 26 |
| | | | | | | | | | | | | | | | | 1.2 |
| | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | | | | | | | | | | | | | | | | 89 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 54 |
| Inflammation, Acute | | | | | | | | | | | | | | | | 1.5 |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | 3.0 |
| | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | 2.0 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | 89 |
| Ulcer | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | 2.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | 87 |
| Cyst | | | | | | | | | | | | | | | | 3 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|
| Aorta | | | | | | | | | | | | | | | | 88 |
| Heart | | | | | | | | | | | | | | | | 90 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 |
| | | 8 | 1 | 0 | 5 | 0 | 6 | 0 | 5 | 0 | 6 | 0 | 1 | 0 | 6 | 1 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | |

| | | |
|--------------------------------------|---|-----|
| Bacteria | 1 | |
| Cardiomyopathy | 1 | 1.0 |
| Thrombus | 1 | 3.0 |
| Artery, Inflammation, Chronic Active | 4 | 2.5 |
| Myocardium, Inflammation, Acute | 1 | 2.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
| Accessory Adrenal Cortical Nodule | X | | | | | | | | | | | | | | | | 1 | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Bilateral, Vacuolization Cytoplasmic | | | | | | 2 | | | | | | | | | | | 3 | 2.3 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 85 | 2.0 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Parathyroid Gland | M | M | M | M | + | + | + | + | M | + | + | + | M | + | + | 57 | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | 80 | | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | 2 | | | 7 | 1.9 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | X | | 3 | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 4 | 2.3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 6 | 1.2 |
| Follicle, Cyst | | | | | 1 | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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 Cell Phone Radiation: GSM
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 Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 |
| | | 8 | 1 | 0 | 5 | 0 | 6 | 0 | 5 | 0 | 6 | 0 | 1 | 0 | 6 | 1 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | |

Follicular Cell, Hyperplasia, Focal

4 1.8

GENERAL BODY SYSTEM

Tissue NOS + 1

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 84 |
| Ovary | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 86 |
| Angiectasis | | | | | | | | | | | | | | | | 1 3.0 |
| Cyst | | | | | | | X | | | | | | | X | | 13 |
| Hemorrhage | 3 | | | | | | | | | | | | | | | 2 3.5 |
| Hyperplasia, Cystic, Papillary | | | | | | | | | | | | | | | | 1 3.0 |
| Follicle, Cyst | | | | | | | | | X | | X | | | | | 11 |
| Granulosa Cell, Hyperplasia | | 2 | | | | | | | | | | | | | | 2 2.5 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Angiectasis | | | | 4 | | | | | | | | | | | | 6 3.0 |
| Congestion | | | | | | | | | | | | | | | | 1 2.0 |
| Dilation | | | 3 | | | 3 | | | 3 | | | | | 3 | | 29 2.9 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | 1 3.0 |
| Endometrium, Hyperplasia | | | | | | | | | | | | | | | | 1 3.0 |
| Endometrium, Hyperplasia, Cystic | | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 75 2.5 |

HEMATOPOIETIC SYSTEM

Bone Marrow + + + + + + + + + + + + + + + **89**
 Hypercellularity **8 2.7**

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically
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| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | 0
4
5
8 | 0
7
5
1 | 0
7
4
0 | 0
7
4
5 | 0
7
5
0 | 0
7
4
6 | 0
6
5
0 | 0
7
4
5 | 0
7
5
0 | 0
7
4
6 | 0
7
5
0 | 0
7
4
1 | 0
7
5
0 | 0
7
4
6 | 0
7
4
1 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | | |
| Hypocellularity | | | | | | | | | | | | | | | | 1 2.0 |
| Lymph Node | | + | | + | | | | | | | + | + | + | | | 20 |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | 1 2.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 2.5 |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 3.0 |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | 3 | | | 1 3.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | 1 | | | | | | | | | | | 2 1.0 |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 3.0 |
| Lymph Node, Mandibular | | + | + | + | + | M | + | M | + | + | + | + | + | + | + | 77 |
| Hemorrhage | | | | | | | | | | | | | | | | 2 1.5 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 3.0 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Angiectasis | | | | | | | | | | | | | | | | 1 3.0 |
| Hemorrhage | | | | | | | | | | | | | | | | 4 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 10 2.2 |
| Infiltration Cellular, Histiocyte | | | | | | | | | 2 | | | | 2 | | | 8 2.0 |
| Infiltration Cellular, Plasma Cell | | | | 3 | | | | | | | | | | | | 2 3.0 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Extramedullary Hematopoiesis | | | | 2 | | | 3 | | 3 | | | | | | | 15 2.6 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 7 2.0 |
| Thymus | | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Atrophy | | | | | | | 4 | | | | | | | | | 3 3.0 |
| Cyst | | | | | | | | | | | | | | | | 2 |

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| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | |
| | | 8 | 1 | 0 | 5 | 0 | 6 | 0 | 5 | 0 | 6 | 0 | 1 | 0 | 6 | 1 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | |

Infiltration Cellular, Histiocyte

3

1 3.0

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia, Diffuse
Duct, Dilation

+ + + + + + + + + + + + + + +

88

1 2.0

1 2.0

Skin
Inflammation, Chronic
Ulcer
Hair Follicle, Atrophy

+ + + + + + + + + + + + + + +

90

1 4.0

2 4.0

1 3.0

MUSCULOSKELETAL SYSTEM

Bone
Decreased Bone
Fibro-Osseous Lesion
Increased Bone
Periosteum, Vertebra, Inflammation,
Granulomatous

+ + + + + + + + + + + + + + +

90

1 3.0

6 2.2

1 2.0

1 2.0

Skeletal Muscle
Infiltration Cellular, Lymphocyte
Arteriole, Inflammation, Chronic

+ + + + + + + + + + + + + + +

90

5 1.2

2 2.5

NERVOUS SYSTEM

Brain
Inflammation, Chronic
Mineral

+ + + + + + + + + + + + + + +

90

1 2.0

78 1.4

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|--------------------------------------|--|
| | 0
4
5
8 | 0
7
5
1 | 0
7
4
0 | 0
7
4
5 | 0
7
5
0 | 0
7
4
6 | 0
6
5
0 | 0
7
4
5 | 0
7
5
4 | 0
7
4
0 | 0
7
4
6 | 0
7
5
0 | 0
7
4
1 | 0
7
4
0 | 0
7
4
6 | | 0
7
5
1 | |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | * TOTALS | | |
| | 0
0
4
0
3 | 0
0
4
0
4 | 0
0
4
0
5 | 0
0
4
0
6 | 0
0
4
0
8 | 0
0
4
0
9 | 0
0
4
1
0 | 0
0
4
1
0 | 0
0
4
1
2 | 0
0
4
1
3 | 0
0
4
1
4 | 0
0
4
1
7 | 0
0
4
1
8 | 0
0
4
1
9 | 0
0
4
1
0 | | 0
0
4
2
0 | |
| Necrosis
Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1
5 | 3.0
2.0 |
| Brain Trigeminal Ganglion | M | M | + | + | + | + | + | + | + | M | + | + | M | + | + | 74 | | |
| Nerve Trigeminal | + | M | + | + | + | + | + | + | M | M | M | M | M | M | M | 58 | | |
| Peripheral Nerve, Sciatic
Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | 6 1.5 | |
| Spinal Cord
Cyst, Squamous
Necrosis
Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | 1
3
5 | 1
2.0
1.2 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | |
| Lung
Congestion
Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Mononuclear Cell
Alveolar Epithelium, Hyperplasia, Focal
Serosa, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | 2
1
1
2
1
1
1
1 | 2.0
3.0
2.0
2.5
2.0
1.0
2.0
1.0 |
| Nose
Respiratory Epithelium, Accumulation, Hyaline
Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | 1 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 |
| | | 8 | 1 | 0 | 5 | 0 | 6 | 0 | 5 | 0 | 6 | 0 | 1 | 0 | 6 | 1 |
| 2.5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | 68 | 1.2 |
| Lacrimal Gland | | | | | | | | | | | | | | | | 1 | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | | |
| Glomerulopathy, Hyaline | | | | | | | | | | | | | | | | | 2 | 3.5 |
| Infarct | | | | 2 | | | | | 2 | | 4 | 1 | | | | | 19 | 1.8 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | 2 | |
| Nephropathy, Chronic Progressive | | 1 | 1 | | | | | | 1 | | | | | | | | 15 | 1.1 |
| Interstitial, Infiltration Cellular, Lymphocyte | | | | | 1 | 1 | 2 | 1 | | | 4 | | 1 | 1 | | | 60 | 1.3 |
| Papilla, Mineral | | | | | | | | | | | 2 | | | | | | 2 | 1.5 |
| Renal Tubule, Hyaline Droplet | 2 | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal Tubule, Vacuolization Cytoplasmic | 3 | | | | | | | | | | | | | | | | 1 | 3.0 |
| Urinary Bladder | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 87 | | |
| Infiltration Cellular, Lymphocyte | | 2 | | 1 | 2 | 1 | 1 | 1 | 2 | 1 | | 1 | 2 | 1 | 2 | | 67 | 1.6 |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | 5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|--------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | | 0746 | 0743 | 0744 | 0745 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0780 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder Cyst | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Infiltration Cellular, Lymphocyte | X | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | A | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | A | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | A | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | 1 | | | 1 | | | | | 2 | | 2 | | | | 1 | 1 | 1 | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | 3 | 1 | | | | | | | | | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

females
(cont...)

Ulcer

Tongue

Tooth

+

+

CARDIOVASCULAR SYSTEM

Aorta

Blood Vessel

Heart

Bacteria

Cardiomyopathy

Thrombus

Endocardium, Hyperplasia

Myocardium, Infiltration Cellular, Lymphocyte

Myocardium, Inflammation, Acute

Valve, Inflammation, Chronic

+ +

+

+ +

X

2

2

3

1

2

3

ENDOCRINE SYSTEM

Adrenal Cortex

Accessory Adrenal Cortical Nodule

Hemorrhage

Bilateral, Vacuolization Cytoplasmic

Subcapsular, Hyperplasia

Adrenal Medulla

Hemorrhage

+ +

3

2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 2 3 2 2 2 2 2 2

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 20105 - 78

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0746 | 0634 | 0744 | 0775 | 0772 | 0775 | 0775 | 0745 | 0728 | 0755 | 0751 | 0768 | 0759 | 0762 | 0765 | 0774 | 0774 | 0774 | 0774 | 0775 | 0784 | 0774 | 5 W/kg | ANIMAL ID | 00526 | 00552 | 00552 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | females
(cont...) |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | |

Hyperplasia

Islets, Pancreatic

Hyperplasia

Infiltration Cellular, Lymphocyte

Parathyroid Gland

Infiltration Cellular, Lymphocyte

Pituitary Gland

Pars Distalis, Angiectasis

Pars Distalis, Hyperplasia, Focal

Thyroid Gland

Infiltration Cellular, Lymphocyte

Ultimobranchial Cyst

GENERAL BODY SYSTEM

Peritoneum

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

Duct, Cyst

Ovary

Angiectasis

Cyst

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0746 | 0634 | 0744 | 0775 | 0772 | 0775 | 0775 | 0745 | 0755 | 0754 | 0755 | 0746 | 0751 | 0756 | 0769 | 0775 | 0774 | 0774 | 0774 | 0758 | 0784 | 0745 | 5 W/kg | ANIMAL ID | 00526 | 00552 | 00552 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | females (cont...) |
| | | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | 00553 | | | 00553 | | | | | | | | | | | | | | | | | | | | | | | |

Cyst, Squamous
Hemorrhage
Hyperplasia, Cystic, Papillary
Thrombus
Follicle, Cyst

X

Oviduct

+

Uterus

+ +

Angiectasis
Dilation

2 3 3 1 4 2 3 3 3

Hemorrhage
Infiltration Cellular, Lymphocyte
Endometrium, Hyperplasia, Cystic

3 2 3 2 3 1 2 2 2 3 2 2 3 3 3 2 3 3

Vagina

+

HEMATOPOIETIC SYSTEM

Bone Marrow
Hypercellularity

+
3

Lymph Node
Hemorrhage
Iliac, Hemorrhage
Iliac, Hyperplasia, Lymphoid
Iliac, Infiltration Cellular, Histiocyte
Iliac, Infiltration Cellular, Mixed Cell
Iliac, Pigment
Renal, Erythrophagocytosis

+
+
1 2 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | 5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|--------------------|--------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|------|
| | | 0746 | 0743 | 0744 | 0745 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | | | 0778 | 0779 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0746 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0743 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0744 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0745 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0771 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0772 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0773 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0774 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0775 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0776 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0777 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0778 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0779 | |

Renal, Hyperplasia, Lymphoid

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric Erythrophagocytosis Hemorrhage | + | + | + | + | + | M | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | M | + |
| Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 3 | | | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spleen Extramedullary Hematopoiesis | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid Capsule, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus Atrophy | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Cyst Hemorrhage | | | | X | | | | | | | | | | X | | | | | | | | X | | |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland Hyperplasia, Focal Hyperplasia, Diffuse Duct, Dilation | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0746 | 0634 | 0744 | 0775 | 0772 | 0775 | 0775 | 0745 | 0725 | 0754 | 0755 | 0761 | 0771 | 0665 | 0574 | 0675 | 0774 | 0774 | 0744 | 0744 | 0755 | 0788 | 0745 | females
(cont...) |
| | ANIMAL ID | 00526 | 00527 | 00529 | 00530 | 00531 | 00532 | 00533 | 00534 | 00535 | 00537 | 00539 | 00540 | 00541 | 00542 | 00543 | 00544 | 00545 | 00546 | 00547 | 00549 | 00550 | 00551 | 00552 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | M | + | + | + | M | + | M | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | |
| Nerve Trigeminal | + | + | M | + | + | M | M | + | + | + | M | + | + | + | M | M | + | + | + | + | + | + | M | + | M |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0746 | 0743 | 0744 | 0744 | 0745 | 0742 | 0743 | 0741 | 0740 | 0745 | 0748 | 0741 | 0741 | 0746 | 0749 | 0746 | 0747 | 0747 | 0747 | 0744 | 0744 | 0745 | 0748 | 0744 |
| | ANIMAL ID | 00526 | 00552 | 00552 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 | 00533 |

females (cont...)

Axon, Degeneration 1 2 1

Spinal Cord Artery, Meninges, Inflammation, Chronic Active +

RESPIRATORY SYSTEM

Larynx +

Lung Congestion Hemorrhage Hyperplasia, Lymphoid Infiltration Cellular, Lymphocyte Alveolar Epithelium, Hyperplasia, Focal + 2 2

Nose Respiratory Epithelium, Hyperplasia + 2

Pleura +

Trachea +

SPECIAL SENSES SYSTEM

Ear +

Eye Phthisis Bulbi Bilateral, Retina, Hemorrhage Cornea, Inflammation, Acute +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as: 1) Minimal 3) Moderate
X .. Lesion present A .. Autolysis precludes evaluation 2) Mild 4) Marked
I .. Insufficient tissue BLANK .. Not examined microscopically

Experiment Number: 20105 - 78

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0746 | 0673 | 0744 | 0755 | 0723 | 0771 | 0755 | 0745 | 0728 | 0771 | 0755 | 0744 | 0756 | 0771 | 0669 | 0576 | 0767 | 0777 | 0744 | 0744 | 0755 | 0788 | 0745 | |
| | ANIMAL ID | 00526 | 00527 | 00528 | 00529 | 00530 | 00531 | 00532 | 00533 | 00534 | 00535 | 00536 | 00537 | 00538 | 00539 | 00540 | 00541 | 00542 | 00543 | 00544 | 00545 | 00546 | 00547 | 00548 | |

Cornea, Inflammation, Chronic
Cornea, Necrosis

Harderian Gland
Hyperplasia, Focal
Infiltration Cellular, Lymphocyte

Lacrimal Gland

Zymbal's Gland

URINARY SYSTEM

Kidney
Infarct
Inflammation, Acute
Metaplasia, Osseous
Nephropathy, Chronic Progressive
Interstitial, Infiltration Cellular, Lymphocyte
Papilla, Mineral
Pelvis, Necrosis
Renal Tubule, Dilation
Renal Tubule, Mineral

Ureter

Urethra

Urinary Bladder
Infiltration Cellular, Lymphocyte
Inflammation, Acute

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | |
| | ANIMAL ID | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 0 | 7 | 4 | | |
| 5 W/kg | | 4 | 3 | 4 | 4 | 5 | 2 | 5 | 5 | 4 | 2 | 5 | 5 | 4 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 8 | 4 | 6 | 5 | | |
| | | 6 | 1 | 3 | 5 | 1 | 3 | 1 | 0 | 5 | 8 | 1 | 1 | 6 | 1 | 9 | 6 | 2 | 1 | 3 | 6 | 0 | 2 | 6 | 4 | 5 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 1 | 3 | 4 | 5 | | | |

Urothelium, Hyperplasia

2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | 5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|--------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------------|
| | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| | | 67 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 06 | 03 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |
| | | 04 | 04 | 04 | 04 | 03 | 05 | 02 | 07 | 02 | 04 | 04 | 05 | 04 | 04 | 05 | 05 | 04 | 04 | 05 | 00 | 03 |
| | | 04 | 06 | 00 | 04 | 09 | 01 | 02 | 04 | 04 | 00 | 03 | 00 | 05 | 06 | 02 | 02 | 05 | 04 | 04 | 00 | 03 |
| | | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| | | 55 | 55 | 55 | 55 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| | | 67 | 68 | 69 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 60 | 61 | 62 | 64 | 65 | 66 | 68 | 69 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | M | M | + | + | A | + | A | + | M | + | + | + | + | + | + | + | + | M | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Intestine Small, Ileum | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | A | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | X | | | | X | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | |
|---------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----------------------|----------------------|--------|--------|
| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | 22 | | |
| Bile Duct, Cyst | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 000556 | females
(cont...) | | |
| Hepatocyte, Fatty Change, Focal | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 000556 | | | |
| Hepatocyte, Hyperplasia | 0 | 4 | 4 | 4 | 4 | 3 | 5 | 2 | 7 | 2 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 0 | 3 | 4 | 4 | | 000556 | |
| Hepatocyte, Hypertrophy | 0 | 4 | 6 | 0 | 4 | 9 | 1 | 2 | 4 | 4 | 0 | 3 | 0 | 5 | 6 | 2 | 2 | 5 | 4 | 4 | 0 | 3 | 9 | 0 | | 4 | 000556 |
| Hepatocyte, Vacuolization Cytoplasmic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 000556 | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | |
| Mesentery | + | | + | + | | | | + | + | | | + | + | | | + | | | | | | + | | | | 000556 | |
| Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | |
| Fat, Necrosis | 2 | | 2 | 3 | | | | | | | | 3 | | | 3 | | | | | | | 3 | | | | 000556 | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 000556 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | |
| Infiltration Cellular, Lymphocyte | | 1 | | | 1 | 2 | 1 | | | | 1 | 1 | | 2 | | 1 | | | 2 | 1 | | | | | | 000556 | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | X | | | | 000556 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 000556 | |
| Infiltration Cellular, Lymphocyte | | 2 | | 2 | 1 | 2 | | | | | 1 | 1 | | 2 | | 1 | 2 | 2 | 1 | 2 | | 1 | 2 | 2 | | 000556 | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 000556 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 000556 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | |
| Hyperkeratosis | | | | | | | | | | | | 2 | | | | | | | | | | | | | | 000556 | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 000556 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 000556 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | A | + | + | + | 000556 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 000556 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Ulcer 3

Tongue

Tooth

CARDIOVASCULAR SYSTEM

Aorta +

Blood Vessel

Heart +

- Bacteria
- Cardiomyopathy
- Thrombus
- Endocardium, Hyperplasia
- Myocardium, Infiltration Cellular, Lymphocyte
- Myocardium, Inflammation, Acute
- Valve, Inflammation, Chronic

ENDOCRINE SYSTEM

Adrenal Cortex +

Accessory Adrenal Cortical Nodule Hemorrhage 2 X

Bilateral, Vacuolization Cytoplasmic Hemorrhage 2

Subcapsular, Hyperplasia 2

Adrenal Medulla Hemorrhage + + + + + M + + + + + + + + + + + + + + + +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | 006000 | 007440 | 006440 | 007440 | 007739 | 007751 | 007722 | 006644 | 003724 | 007744 | 007754 | 007744 | 007754 | 007754 | 007744 | 007754 | 007744 | 007754 | 007703 | 007739 | 007744 | 007754 | females
(cont...) |
|------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| | ANIMAL ID | 005566 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Hyperplasia | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | + | M | M | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | | |
| Pituitary Gland
Pars Distalis, Angiectasis | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | I | + | + | |
| Ultimobranchial Cyst | | | | | | | | | | | | | | | | | | | | | | | X | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Clitoral Gland
Duct, Cyst | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| Ovary
Angiectasis | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cyst | X | | X | | | | | | | | | | | | | | | X | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20105 - 78
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
Time Report Requested: 12:30:15
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
6 | 0
7 | 0
6 | 0
7 | 0
7 | 0
7 | 0
7 | 0
6 | 0
3 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | |
| | ANIMAL ID | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | 0
0 | |
| 5 W/kg | | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | 0
5 | females
(cont...) |

Cyst, Squamous
 Hemorrhage
 Hyperplasia, Cystic, Papillary
 Thrombus
 Follicle, Cyst

X

X

X

Oviduct

Uterus
 Angiectasis
 Dilation
 Hemorrhage
 Infiltration Cellular, Lymphocyte
 Endometrium, Hyperplasia, Cystic

+ + + + + + + + 2 + + + + + + + + + + + + + + +

3 3 2 3 4 3 3 3 3 3 3 2 1 3 2 3 2 2 2 3 2

Vagina

HEMATOPOIETIC SYSTEM

Bone Marrow
 Hypercellularity

+ +

3

Lymph Node
 Hemorrhage
 Iliac, Hemorrhage
 Iliac, Hyperplasia, Lymphoid
 Iliac, Infiltration Cellular, Histiocyte
 Iliac, Infiltration Cellular, Mixed Cell
 Iliac, Pigment
 Renal, Erythrophagocytosis

+ + + + + + + +

4

2

3

2

2

3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

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Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0600 | 0744 | 0644 | 0774 | 0777 | 0777 | 0777 | 0663 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| | ANIMAL ID | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Renal, Hyperplasia, Lymphoid | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | + | + | M | M | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | |
| Lymph Node, Mesenteric Erythrophagocytosis
Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Spleen Extramedullary Hematopoiesis
Hyperplasia, Lymphoid
Capsule, Inflammation, Chronic Active | 2 | 2 | | | | | | | 2 | 3 | | | | | | | | | | | | 2 | 2 | 4 | |
| Thymus Atrophy
Cyst
Hemorrhage
Hyperplasia, Lymphoid | 3 | 3 | | | | | | | 4 | | | X | | | | | | | | | 3 | X | | X | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland Hyperplasia, Focal
Hyperplasia, Diffuse
Duct, Dilation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 2 | | | | | | | | | | | 2 | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
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Experiment Number: 20105 - 78

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0600 | 0744 | 0644 | 0744 | 0773 | 0775 | 0772 | 0674 | 0372 | 0774 | 0775 | 0774 | 0775 | 0775 | 0774 | 0775 | 0770 | 0773 | 0774 | 0774 | 0774 | |
| | ANIMAL ID | 0055 | 0055 | 0055 | 0055 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0088 | 0088 | 0088 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | 4 | |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Inflammation, Chronic | | | | | | | | | | | | | 2 | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 1 | 1 | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst, Squamous | | | | X | X | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | | 1 | 1 | | 2 | 2 | | 1 | 2 | 1 | 1 | 2 | 2 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Nerve Trigeminal | + | M | + | + | + | + | + | M | + | M | M | + | M | M | M | + | M | M | + | + | M | M |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
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Experiment Number: 20105 - 78

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

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Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------------|
| B6C3F1 MICE FEMALE

5 W/kg | DAY ON TEST | 0600 | 0744 | 0644 | 0774 | 0777 | 0777 | 0777 | 0663 | 0377 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | females
(cont...) |
| | ANIMAL ID | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | |
| | | 6789 | 0012 | 3456 | 6789 | 0012 | 3456 | 6789 | 0012 | 3456 | 6789 | 0012 | 3456 | 6789 | 0012 | 3456 | 6789 | 0012 | 3456 | 6789 | 0012 | 3456 | 6789 | 0012 | |

Axon, Degeneration

1

2

Spinal Cord

+ +

Artery, Meninges, Inflammation, Chronic Active

RESPIRATORY SYSTEM

Larynx

Lung

+ +

Congestion

3

Hemorrhage

2

Hyperplasia, Lymphoid

Infiltration Cellular, Lymphocyte

Alveolar Epithelium, Hyperplasia, Focal

Nose

+ +

Respiratory Epithelium, Hyperplasia

Pleura

Trachea

+ +

SPECIAL SENSES SYSTEM

Ear

Eye

+ +

Phthisis Bulbi

Bilateral, Retina, Hemorrhage

Cornea, Inflammation, Acute

4

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | 0600 | 0744 | 0644 | 0744 | 0773 | 0777 | 0077 | 0077 | 0637 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | females
(cont...) |
| | ANIMAL ID | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | |

Cornea, Inflammation, Chronic
Cornea, Necrosis

2

Harderian Gland
Hyperplasia, Focal
Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 2 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 | |

Lacrimal Gland

Zymbal's Gland

URINARY SYSTEM

Kidney
Infarct
Inflammation, Acute
Metaplasia, Osseous
Nephropathy, Chronic Progressive
Interstitial, Infiltration Cellular, Lymphocyte
Papilla, Mineral
Pelvis, Necrosis
Renal Tubule, Dilation
Renal Tubule, Mineral

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 2 | 2 | | | | 2 | | | | 2 | | 2 | | | | | | 2 | | | 2 | 1 | | |
| | | | 2 | 1 | | | | 2 | | | 1 | | 3 | | | | X | | | 1 | | | 1 | |
| | 2 | | 2 | 2 | 2 | | | | | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | | | | 1 | 1 | |
| | | | | | | | | | | | | | | | | 1 | | | | | | | | |

Ureter

Urethra

Urinary Bladder
Infiltration Cellular, Lymphocyte
Inflammation, Acute

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| 2 | 2 | 1 | 3 | | 2 | | | 2 | | 1 | 2 | 1 | | 2 | | 1 | 1 | 2 | 1 | | 2 | 1 | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 4 | 4 | 4 | 4 | 3 | 5 | 2 | 7 | 2 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 0 | 3 | 4 | 4 | |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 |

females
(cont...)

Urothelium, Hyperplasia

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
4
5 | 0
7
5
0 | 0
7
5
0 | 0
7
4
6 | 0
6
0
6 | 0
7
4
4 | 0
7
5
0 | 0
7
1
2 | 0
7
4
0 | 0
7
4
1 | 0
7
4
5 | 0
7
4
0 | 0
7
4
3 | 0
7
7
9 | 0
6
4
3 | 0
7
4
6 | 0
7
4
3 | 0
7
4
6 | 0
7
4
4 | 0
7
5
1 | 0
7
4
3 | 0
6
2
9 | females
(cont...) |
| | ANIMAL ID | 0
0
5
8
5 | 0
0
5
8
6 | 0
0
5
8
7 | 0
0
5
8
8 | 0
0
5
8
9 | 0
0
5
9
0 | 0
0
5
9
1 | 0
0
5
9
2 | 0
0
5
9
3 | 0
0
5
9
4 | 0
0
5
9
5 | 0
0
5
9
6 | 0
0
5
9
7 | 0
0
6
0
1 | 0
0
6
0
3 | 0
0
6
0
4 | 0
0
6
0
5 | 0
0
6
0
7 | 0
0
6
0
8 | 0
0
6
0
9 | 0
0
6
1
0 | 0
0
6
1
1 | |

ALIMENTARY SYSTEM

| | |
|---|--|
| Esophagus | + |
| Gallbladder Cyst Infiltration Cellular, Lymphocyte | + + + + + + + A + + M + M + + + + + + + A + + M + + |
| Intestine Large, Cecum | + + + + + + + + + + + A + + + + + + + + A + + + + + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + + + + + + + A + + + + + + + + + + + + + + + + |
| Intestine Small, Ileum Peyer's Patch, Hyperplasia, Lymphoid | + + + + + + + + + + + A + + + + + + + + A + + + + +
3 |
| Intestine Small, Jejunum | + + + + + + + A + + A + + + + + + + + + A + + + + + |
| Liver Basophilic Focus | + X |
| Liver Eosinophilic Focus | + + + + + + + X |
| Liver Extramedullary Hematopoiesis | + |
| Liver Hemorrhage | + |
| Liver Infiltration Cellular, Lymphocyte | + |
| Liver Infiltration Cellular, Mononuclear Cell | + |
| Liver Inflammation, Acute | + |
| Liver Necrosis | + |
| Liver Artery, Inflammation, Chronic | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|------------------------------|-------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | | 4 | 5 | 5 | 4 | 0 | 4 | 5 | 1 | 4 | 4 | 0 | 4 | 4 | 3 | 4 | 7 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 4 | 4 |
| | | 5 | 0 | 0 | 6 | 6 | 4 | 0 | 2 | 0 | 4 | 1 | 5 | 0 | 9 | 3 | 5 | 0 | 6 | 6 | 3 | 6 | 0 | 1 | 3 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 9 | 0 | 1 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

Ulcer

Tongue

Tooth

CARDIOVASCULAR SYSTEM

Aorta

Blood Vessel

Heart

Bacteria

Cardiomyopathy

Thrombus

Endocardium, Hyperplasia

Myocardium, Infiltration Cellular, Lymphocyte

Myocardium, Inflammation, Acute

Valve, Inflammation, Chronic

+ +

+ +

X

1

4

1

3

ENDOCRINE SYSTEM

Adrenal Cortex

Accessory Adrenal Cortical Nodule

Hemorrhage

Bilateral, Vacuolization Cytoplasmic

Subcapsular, Hyperplasia

+ +

2

1

2 3

Adrenal Medulla

Hemorrhage

+ + + + + + + + + + + + + + + + M + + M + + +

2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | 4 | 5 | 5 | 4 | 0 | 4 | 5 | 1 | 4 | 4 | 0 | 4 | 4 | 3 | 4 | 7 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 4 | 2 | | |
| | 5 | 0 | 0 | 6 | 6 | 4 | 0 | 2 | 0 | 4 | 1 | 5 | 0 | 9 | 3 | 5 | 0 | 6 | 6 | 3 | 6 | 6 | 1 | 3 | 9 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | | |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 9 | 0 | 1 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | |

Renal, Hyperplasia, Lymphoid

Lymph Node, Mandibular
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte

+ + + + + + + + + + + + + + + M + + + + + M + +
 3 2

Lymph Node, Mesenteric
 Erythrophagocytosis
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte

+ + + + + + + + + + M + + M + M + + I + + + + + + +
 2 3 2 2 2

Spleen
 Extramedullary Hematopoiesis
 Hyperplasia, Lymphoid
 Capsule, Inflammation, Chronic Active

+
 3 2 2 3 3 2 3

Thymus
 Atrophy
 Cyst
 Hemorrhage
 Hyperplasia, Lymphoid

+ + + + + M + + M + + 2 + + + + + + + + + + + + + + + +
 2

INTEGUMENTARY SYSTEM

Mammary Gland
 Hyperplasia, Focal
 Hyperplasia, Diffuse
 Duct, Dilation

+
 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------------|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | | 4 | 5 | 5 | 4 | 0 | 4 | 5 | 1 | 4 | 4 | 0 | 4 | 4 | 3 | 4 | 7 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 4 |
| 5 W/kg | ANIMAL ID | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 9 | 0 | 1 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | 1 | | | | | | | | | 1 | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | 2 | | | | | | | | | | | | | | | | | | 2 |
| Mineral | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | | 2 | 1 | | 1 | 2 | 1 | | 1 | 2 | 1 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | 2 | | | | | | | | | | | | | | | | | | 2 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Nerve Trigeminal | + | M | M | M | + | M | M | + | + | + | + | + | M | + | + | + | M | + | M | + | M | + | + |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7
4
5 | 0
7
5
0 | 0
7
5
0 | 0
7
4
6 | 0
7
0
6 | 0
7
4
4 | 0
7
5
0 | 0
7
1
2 | 0
7
4
0 | 0
7
4
1 | 0
7
4
5 | 0
7
0
9 | 0
7
3
3 | 0
6
7
5 | 0
7
4
0 | 0
7
4
6 | 0
7
3
6 | 0
7
4
6 | 0
7
4
0 | 0
7
5
1 | 0
7
4
3 | 0
7
4
2 | females
(cont...) |
| | ANIMAL ID | 0
0
5
8
5 | 0
0
5
8
6 | 0
0
5
8
7 | 0
0
5
8
8 | 0
0
5
8
9 | 0
0
5
9
0 | 0
0
5
9
1 | 0
0
5
9
2 | 0
0
5
9
3 | 0
0
5
9
4 | 0
0
5
9
5 | 0
0
5
9
6 | 0
0
6
9
0 | 0
0
6
0
1 | 0
0
6
6
3 | 0
0
6
6
4 | 0
0
6
6
5 | 0
0
6
6
6 | 0
0
6
6
7 | 0
0
6
6
8 | 0
0
6
6
9 | 0
0
6
1
0 | |

Axon, Degeneration 4

Spinal Cord +
Artery, Meninges, Inflammation, Chronic Active 1

RESPIRATORY SYSTEM

Larynx

Lung +
Congestion 3
Hemorrhage 2
Hyperplasia, Lymphoid
Infiltration Cellular, Lymphocyte
Alveolar Epithelium, Hyperplasia, Focal 2

Nose +
Respiratory Epithelium, Hyperplasia

Pleura

Trachea +

SPECIAL SENSES SYSTEM

Ear

Eye +
Phthisis Bulbi
Bilateral, Retina, Hemorrhage
Cornea, Inflammation, Acute

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 W/kg | | 3 | 4 | 3 | 4 | 4 | 6 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | |
| | | 9 | 6 | 9 | 3 | 0 | 8 | 4 | 1 | 3 | 6 | 5 | 0 | 0 | 3 | 4 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| * TOTALS | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | 74 |
| Cyst | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | 1 | | | | | | | | | 2 1.5 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 1 3.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Basophilic Focus | | | | | | | | | | | | | | | | | 5 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | 1 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | 1 3.0 |
| Hemorrhage | | | | | | | | 4 | | | | | | | | | 1 4.0 |
| Infiltration Cellular, Lymphocyte | | | | 1 | 1 | | | | | | 2 | | | | | | 21 1.2 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 3.0 |
| Necrosis | | | | | | | | 4 | | | | | | | | | 6 2.7 |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | * TOTALS | |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|
| | 0
7
3
9 | 0
7
4
6 | 0
7
3
9 | 0
7
4
3 | 0
6
4
0 | 0
6
6
8 | 0
7
4
4 | 0
7
5
1 | 0
7
4
3 | 0
7
4
6 | 0
7
4
5 | 0
7
5
0 | 0
7
4
0 | 0
7
4
3 | | 0
7
4
4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Bile Duct, Cyst | | | | | | | | | | | | X | | | | 1 |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | 1 1.0 |
| Hepatocyte, Hyperplasia | | | | | | | | | | | | | | | | 1 2.0 |
| Hepatocyte, Hypertrophy | | | | | | 2 | | | | | | | | | | 1 2.0 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | 2 | | | | | | | 4 1.5 |
| Mesentery | | | | + | + | | | | | + | + | + | | + | | 32 |
| Fat, Mineral | | | | | | | | | | | | | | | | 1 2.0 |
| Fat, Necrosis | | | | | 3 | | | | | 3 | 3 | 3 | | 3 | | 27 2.5 |
| Oral Mucosa | | | | | + | | | | | | | | | | | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | | 1 | | | 1 | | | 30 1.3 |
| Acinus, Atrophy | | | | | | | | | | | | | | | | 2 3.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | 2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Infiltration Cellular, Lymphocyte | | | | 2 | 2 | 2 | | | 1 | 1 | 1 | 2 | | 1 | 2 | 55 1.5 |
| Mineral | | | | | | | | | | | | | | | | 1 1.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Cyst | | | | | | | | | | | | | | | | 1 |
| Hyperkeratosis | | | | | | | | | | | | | | | | 1 2.0 |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | 2 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Cyst | | | | | | | | X | | | X | | | | | 4 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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CAS Number: CELLPRADGSM

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 W/kg | ANIMAL ID | 3 | 4 | 3 | 4 | 4 | 6 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 |
| | | 9 | 6 | 9 | 3 | 0 | 8 | 4 | 1 | 3 | 6 | 5 | 0 | 0 | 3 | 4 | 4 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

Ulcer 1 3.0

Tongue 1

Tooth 1

CARDIOVASCULAR SYSTEM

Aorta 90

Blood Vessel 2

Heart 90

Bacteria 2

Cardiomyopathy 3 1.7

Thrombus 2 3.5

Endocardium, Hyperplasia 1 1.0

Myocardium, Infiltration Cellular, Lymphocyte 1 1.0

Myocardium, Inflammation, Acute 2 2.5

Valve, Inflammation, Chronic 1 3.0

ENDOCRINE SYSTEM

Adrenal Cortex 90

Accessory Adrenal Cortical Nodule 1

Hemorrhage 3 2.3

Bilateral, Vacuolization Cytoplasmic 1 1.0

Subcapsular, Hyperplasia 88 2.0

Adrenal Medulla 86

Hemorrhage 1 2.0

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+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|--|--|
| | | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 3 | 4 | 3 | 4 | 4 | 6 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | | | |
| | | 9 | 6 | 9 | 3 | 0 | 8 | 4 | 1 | 3 | 6 | 5 | 0 | 0 | 3 | 4 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| | | | | | | | | | | | | | | | | * TOTALS | | | |

Hyperplasia 1 2 2.0

Islets, Pancreatic Hyperplasia Infiltration Cellular, Lymphocyte + + + + + + + + + + + + + + 90 1 3.0 2 1.0

Parathyroid Gland Infiltration Cellular, Lymphocyte + + + + + M + M + + + + M + + 64 1 3.0

Pituitary Gland Pars Distalis, Angiectasis Pars Distalis, Hyperplasia, Focal + + + + + + + + + I + + + M + 84 6 1.7 5 1.8

Thyroid Gland Infiltration Cellular, Lymphocyte Ultimobranchial Cyst + + + + + + + + + + + + + + 86 6 1.2 2

GENERAL BODY SYSTEM

Peritoneum 1

Tissue NOS 1

GENITAL SYSTEM

Clitoral Gland Duct, Cyst + + + + + + + + + + + + M + 80 1

Ovary Angiectasis Cyst + + + + + + + + + + + + + + X 82 1 4.0 8

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0739 | 0739 | 0739 | 0739 | 0668 | 0668 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | 0774 | |
| 5 W/kg | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | |
| | ANIMAL ID | 0061 | 0066 | 0061 | 0061 | 0061 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | |

| | | | | | | | | | | | | | | | | | |
|--------------------------------|---|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|-------|
| Cyst, Squamous | | | | | | | | | | | | | | | | | 1 |
| Hemorrhage | 4 | | | | | | | | | | | | | | | | 1 4.0 |
| Hyperplasia, Cystic, Papillary | | | | | | | | | | | | | | | | | 1 3.0 |
| Thrombus | | | 3 | | | | | | | | | | | | | | 1 3.0 |
| Follicle, Cyst | | | | | | | | | | X | | | | | | | 6 |

| | | | | | | | | | | | | | | | | | |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Oviduct | | | | | | | | | | | | | | | | | 1 |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Angiectasis | | | | | | | | | | | | | | | | | 5 3.2 |
| Dilation | | 2 | 3 | | 2 | | 3 | | | | | | | | 3 | | 30 2.9 |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 3.0 |
| Endometrium, Hyperplasia, Cystic | 2 | | 2 | 3 | | | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 1 | 3 | | 72 2.4 |

| | | | | | | | | | | | | | | | | | |
|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Vagina | | | | | | | | | | | | | | | | | 1 |
|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hypercellularity | | | | | | | | | | | | | | | | | 4 2.8 |
| Lymph Node | | + | + | | + | | + | | | | | | | | | | 16 |
| Hemorrhage | | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | 2 2.5 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | 2 | | | | | | | | | 6 2.3 |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 1 2.0 |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | 2 | | | 4 2.0 |
| Iliac, Pigment | | | | | | | | | | | | | | 2 | | | 4 2.0 |
| Renal, Erythrophagocytosis | | | | | | | | | | | | | | | | | 1 3.0 |

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 I .. Insufficient tissue
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|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|-----------------|
| | 0
7
3
9 | 0
7
4
6 | 0
7
3
9 | 0
7
4
3 | 0
6
4
0 | 0
6
4
8 | 0
7
4
4 | 0
7
5
1 | 0
7
4
3 | 0
7
4
6 | 0
7
4
5 | 0
7
5
0 | 0
7
4
0 | 0
7
4
3 | 0
7
4
4 | | |
| 5 W/kg | 0
6
1
4 | 0
6
1
5 | 0
6
1
6 | 0
6
1
7 | 0
6
1
8 | 0
6
1
9 | 0
6
2
0 | 0
6
2
1 | 0
6
2
2 | 0
6
2
3 | 0
6
2
4 | 0
6
2
5 | 0
6
2
6 | 0
6
2
7 | 0
6
2
8 | | * TOTALS |

Renal, Hyperplasia, Lymphoid

1 3.0

Lymph Node, Mandibular

+ + M + + + + + + + + + + +

81

Hemorrhage

1 2.0

Hyperplasia, Lymphoid

3

1 3.0

Infiltration Cellular, Histiocyte

2 2.5

Lymph Node, Mesenteric

+ + + M + + + + + + + + + + +

80

Erythrophagocytosis

2

1 2.0

Hemorrhage

2 3.0

Hyperplasia, Lymphoid

2

3 2.3

Infiltration Cellular, Histiocyte

6 2.0

Spleen

+ + + + + + + + + + + + + + +

89

Extramedullary Hematopoiesis

3

2

2

19 2.6

Hyperplasia, Lymphoid

2

13 2.2

Capsule, Inflammation, Chronic Active

1 3.0

Thymus

+ + + + + M + + + + + + + + +

84

Atrophy

8 3.0

Cyst

X

7

Hemorrhage

1 2.0

Hyperplasia, Lymphoid

4

2 3.5

INTEGUMENTARY SYSTEM

Mammary Gland

+ + + + + + + + + + + + + + +

88

Hyperplasia, Focal

1 2.0

Hyperplasia, Diffuse

1 2.0

Duct, Dilation

2 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

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A .. Autolysis precludes evaluation

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|--|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|-----|-----|
| | 0739 | 0746 | 0773 | 0774 | 0664 | 0666 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | |
| | 00614 | 00661 | 00661 | 00661 | 00661 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | | | | |
| | 11111 | 11111 | 11111 | 11111 | 11111 | 22222 | 22222 | 22222 | 22222 | 22222 | 22222 | 22222 | 22222 | 22222 | | | | | |
| | 45678 | 90123 | 45678 | 90123 | 45678 | 90123 | 45678 | 90123 | 45678 | 90123 | 45678 | 90123 | 45678 | 90123 | | | | | |
| | * TOTALS | | | | | | | | | | | | | | | | | | |
| Skin | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | | | |
| Ulcer | | | | | | | | | | | | | | | | 2 | 3.5 | | |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | 4 | 2.8 | | |
| Subcutaneous Tissue, Inflammation, Chronic | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | |
| Bone | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 89 | | | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | 2 | 2 | 4 | 2.0 |
| Skeletal Muscle | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | | | |
| Degeneration | | | | | | | | | | | | | | | | 1 | | 2 | 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 2 | 10 | 1.3 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | |
| Brain | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | 2 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | 3 | 2.0 | |
| Mineral | 1 1 1 1 1 2 1 1 1 1 1 1 2 | | | | | | | | | | | | | | | | 77 | 1.4 | |
| Necrosis | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 3 | 2.0 | |
| Brain Trigeminal Ganglion | + + + + + + + M + + + + + M + | | | | | | | | | | | | | | | 80 | | | |
| Nerve Trigeminal | + + + + M M M + + M M M + M + | | | | | | | | | | | | | | | 53 | | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | 1 | | | |
| Peripheral Nerve, Sciatic | + + + + + + + + + + + + + I + | | | | | | | | | | | | | | | 88 | | | |

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|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0739 | 0736 | 0739 | 0734 | 0760 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| 5 W/kg | 0014 | 0065 | 0006 | 0001 | 0001 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| ANIMAL ID | 614 | 665 | 606 | 601 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | |

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Axon, Degeneration | 1 | | | | | | | | | | | | | | | | 7 | 1.7 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 | 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|-----|
| Larynx | | | | | | | | | | | | | | | | | | 2 | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Congestion | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Pleura | | | | | | | | | | | | | | | | | | 1 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|-----|
| Ear | | | | | | | | | | | | | | | | | | 1 | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | 1 |
| Bilateral, Retina, Hemorrhage | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Cornea, Inflammation, Acute | | | | | | | | | | | | | | | | | | 3 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | * TOTALS | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|----|-----|
| | 0
7
3
9 | 0
7
4
6 | 0
7
3
9 | 0
7
4
3 | 0
6
4
0 | 0
6
6
8 | 0
7
4
4 | 0
7
5
1 | 0
7
4
3 | 0
7
4
6 | 0
7
4
5 | 0
7
5
0 | 0
7
4
0 | 0
7
4
3 | | 0
7
4
4 | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| Cornea, Inflammation, Chronic | | | | | | | | | | | | | | | | 1 | 2 | 1.5 |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 69 | 1.1 |
| Lacrimal Gland | | | | | | + | | | | | | | | | | | 2 | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | |
| Infarct | | | 2 | | | | | | | | | | | | | | 20 | 1.7 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | 2 | |
| Nephropathy, Chronic Progressive | 1 | 1 | | | | | | 1 | | | | | 1 | | 2 | | 19 | 1.4 |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 1 | | 2 | | | | 2 | 1 | 1 | 1 | 1 | 2 | | 65 | 1.5 |
| Papilla, Mineral | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Pelvis, Necrosis | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal Tubule, Dilation | | | | | | 2 | | | | | | | | | | | 1 | 2.0 |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Ureter | | | | | | | | | | | | | | | | | 1 | |
| Urethra | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 86 | |
| Infiltration Cellular, Lymphocyte | 2 | 1 | 2 | 2 | | 1 | 1 | 1 | | | 2 | 1 | 2 | 2 | 1 | | 65 | 1.6 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 W/kg | ANIMAL ID | 3 | 4 | 3 | 4 | 4 | 6 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | |
| | | 9 | 6 | 9 | 3 | 0 | 8 | 4 | 1 | 3 | 6 | 5 | 0 | 0 | 3 | 4 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| * TOTALS | | | | | | | | | | | | | | | | |

Urothelium, Hyperplasia

1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | |
|--------------------|-------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------------|---------|---------|---------|---------|---------|
| | | 7 5 0 | 7 5 0 | 7 5 2 | 7 5 1 | 7 3 9 | 6 6 9 | 7 4 4 | 7 5 2 | 7 5 0 | 7 5 0 | 7 4 3 | 5 6 1 | 6 8 6 | 7 4 4 | 7 6 4 | 7 3 6 | 7 4 6 | 7 4 6 | 7 4 4 | 7 3 9 | | 7 4 5 | 7 4 6 | 7 6 7 | | |
| 10 W/kg | ANIMAL ID | 0 7 3 7 | 0 0 3 8 | 0 0 3 9 | 0 0 4 0 | 0 0 4 1 | 0 0 4 2 | 0 0 4 3 | 0 0 4 4 | 0 0 4 7 | 0 0 4 8 | 0 0 4 9 | 0 0 5 0 | 0 0 5 1 | 0 0 5 2 | 0 0 5 3 | 0 0 5 4 | 0 0 5 5 | 0 0 5 6 | 0 0 5 7 | 0 0 5 8 | 0 0 5 9 | 0 0 6 0 | 0 0 6 1 | 0 0 6 2 | 0 0 6 3 | 0 0 6 4 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus | + | | | | | | | | | | | | | | | | | | | | | | | |
| Gallbladder | + + + + M + + + + + + + A M + A M + + + + M + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + + + + + + + + + + + + A + + A + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + + + + + + + + + + + + + + + A + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + + + + + + + + + + + + + + + A + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + + + + + + + + + + + + A A + + A + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + + + + + + + + + + + + + A + + A + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + + + + + + + + + + + + A A + + A + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | X X | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 2 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Centrilobular, Hepatocyte, Hypertrophy | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Inclusion Body Intracytoplasmic | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20105 - 78
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|--|
| | 0
7
5
0 | 0
7
5
0 | 0
7
5
2 | 0
7
5
1 | 0
7
3
9 | 0
6
6
9 | 0
7
4
4 | 0
7
5
2 | 0
7
5
0 | 0
7
5
0 | 0
7
4
3 | 0
7
5
1 | 0
6
8
6 | 0
7
4
4 | 0
7
6
3 | 0
6
7
6 | 0
7
4
6 | 0
7
4
6 | 0
7
4
4 | 0
7
3
9 | 0
7
4
5 | 0
7
4
6 | 0
7
4
7 | | | | |
| Fat, Necrosis | 2 | | | 2 | | | | | | 3 | | 3 | 2 | | 2 | 2 | | | | 2 | | 3 | | 2 | 2 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | 1 | 2 | | | | | | | | | | | | | | | 2 | | | 1 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 2 | 2 | 2 | | | 2 | 1 | | | | 2 | | 2 | 2 | | | 1 | 2 | 2 | 1 | 2 | 1 | 1 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Degeneration | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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 Test Type: CHRONIC
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 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 0 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | 5 | 5 | 5 | 5 | 3 | 6 | 4 | 5 | 5 | 5 | 4 | 6 | 8 | 4 | 4 | 6 | 7 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 0 | 0 | |
| | 0 | 0 | 2 | 1 | 9 | 9 | 4 | 2 | 0 | 0 | 3 | 1 | 6 | 4 | 3 | 4 | 6 | 9 | 6 | 6 | 4 | 9 | 5 | 6 | 7 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | |
| | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 0 | |
| | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 0 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | M | + | + | M | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | | |
| Pars Distalis, Angiectasis | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 | | |
| Pars Distalis, Cyst | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Clitoral Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

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Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | | 5 | 5 | 5 | 5 | 3 | 6 | 4 | 5 | 5 | 5 | 4 | 6 | 8 | 4 | 4 | 6 | 7 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 0 |
| 10 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 4 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|--|--|
| Ovary | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | M | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Hyperplasia, Tubulostromal | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bursa, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Paraovarian Tissue, Cyst | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 3 | | |
| Dilation | | | | | | | | | 3 | | | 2 | 2 | | | | 3 | | | | | | | | | | 3 | | 2 |
| Endometrium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 3 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | | | | | 3 | 4 | | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypercellularity | | | | | | | | | | | | | X | | | | | | | | | | | | | | | 2 | |
| Lymph Node | | | | | | | | | | + | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 3 | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | | 0750 | 0750 | 0752 | 0751 | 0769 | 0776 | 0777 | 0777 | 0777 | 0777 | 0755 | 0766 | 0777 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| 10 W/kg | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Hyperplasia, Lymphoid

4 2

Lymph Node, Mesenteric
Hemorrhage

+ + + + M + + + + M M + + + A + + + + + +

Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte

3

2

Spleen
Extramedullary Hematopoiesis
Hyperplasia, Lymphoid

+ +

3 2 2 3

2 2 2

Thymus
Atrophy
Cyst
Hemorrhage
Hyperplasia, Lymphoid

+ + + + + + + + + + + + + + M + + + + + +

3

2

4

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia, Diffuse
Duct, Dilation

+ + + + + + + + + + + M + + + M + + + + + + I

Skin
Ulcer
Epidermis, Hyperplasia, Multifocal
Hair Follicle, Atrophy

+ +

3

3

MUSCULOSKELETAL SYSTEM

Bone

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Experiment Number: 20105 - 78

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Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 12:30:15

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | | 5 | 5 | 5 | 5 | 3 | 6 | 4 | 5 | 5 | 5 | 4 | 6 | 8 | 4 | 4 | 6 | 7 | 3 | 4 | 4 | 4 | 3 | 4 | |
| 10 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | |
| | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

Fibro-Osseous Lesion
Increased Bone

2

3

Skeletal Muscle
Degeneration
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

Brain
Mineral
Necrosis
Artery, Meninges, Inflammation, Chronic Active

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | 2 | 1 | 2 | 1 | 1 | 2 | | 2 | 2 | | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

Brain Trigeminal Ganglion

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Nerve Trigeminal

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | M | M | M | + | M | M | M | + | M | + | + | + | M | M | + | + | M | M | + | M | M | M | + | + |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Peripheral Nerve, Sciatic
Axon, Degeneration

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

Spinal Cord
Artery, Meninges, Inflammation, Chronic Active

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

RESPIRATORY SYSTEM

Lung
Congestion
Hemorrhage
Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
6 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
5 | 0
6 | 0
7 | 0
7 | 0
6 | 0
6 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
6 | 0
7 | females
(cont...) |
| | ANIMAL ID | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
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7 | 0
7 | 0
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7 | 0
7 | 0
7 | 0
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7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | |

Inflammation, Chronic Active
Alveolar Epithelium, Hyperplasia, Focal

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose
Vomeranosal Organ, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Anterior Chamber, Inflammation, Acute
Cornea, Inflammation, Acute | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| | 1 | 1 | 1 | | 2 | 2 | | 1 | | 1 | 2 | 2 | 1 | 1 | 2 | | 2 | | 1 | 1 | 1 | | 1 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney
Hemorrhage
Infarct
Metaplasia, Osseous
Nephropathy, Chronic Progressive
Interstitial, Infiltration Cellular, Lymphocyte
Papilla, Mineral
Pelvis, Mineral
Renal Tubule, Dilation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
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Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|------------------------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
| | 0
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1 | 0
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6 | 0
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9 | 0
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4
6 | 0
7
5
0 | 0
7
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5 | 0
7
4
6 | 0
7
2
0 | 0
7
2
1 | | |
| Fat, Necrosis | 3 | | | | | | 3 | | | | | | 2 | | | 2 | | 3 | | | | | | | | |
| Pancreas | + + + + + A + A | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 2 2 1 1 2 1 1 1 1 1 1 1 1 1 2 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Inflammation, Chronic Active | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 2 1 1 2 2 1 1 1 1 1 1 1 2 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + + + + + A + + + + + A + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + + + + + A + + + + + A + + + + + + + + + + + + + + A | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aorta | + | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|
| | 0
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5 | 0
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1 | 0
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7
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4 | 0
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5 | 0
7
5
0 | 0
7
5
1 | 0
7
5
1 | 0
7
5
5 | 0
7
4
5 | 0
7
5
1 | 0
7
4
3 | 0
7
4
3 | 0
7
4
3 | 0
6
8
0 | 0
7
4
4 | 0
7
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4 | 0
7
4
6 | 0
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5 | 0
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4
0 | 0
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4
6 | | | 0
7
4
8 | 0
7
4
6 | 0
7
4
8 | 0
7
4
1 |
| Fat, Necrosis | 3 | 3 | | | | | 2 | | | | | | | | | 3 | 3 | | | | | | | | | | | | 3 | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Degeneration | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 2 | | | | | | 2 | 1 | | | | 1 | | | 1 | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 2 | | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | | 2 | 1 | 1 | 1 | 1 | | 2 | | 1 | | 1 | | | | | | | 2 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | | 4 | 5 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | | |
| | | 5 | 1 | 9 | 9 | 4 | 4 | 0 | 1 | 1 | 5 | 1 | 3 | 3 | 3 | 0 | 0 | 4 | 4 | 6 | 0 | 5 | 0 | 6 | 1 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | | |

Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ovary | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | X | | X | | X | | X | | | | | | | | | | |
| Hyperplasia, Tubulostromal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bursa, Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | X | | | | | | | | | | | | | | | | X | | | | |
| Paraovarian Tissue, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | | | | | 3 | | | | | | 3 | | | 2 | | | 2 | | | 4 | 4 | | | | |
| Endometrium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 3 | | 2 | 2 | 1 | 3 | 2 | 3 | 1 | 2 | 2 | | 2 | 3 | 3 | | 3 | 1 | 1 | 2 | 2 | | 2 | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | + | | | + | | | | | | | | | + | | | | | | + | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017
 Time Report Requested: 12:30:15
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) | | | |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|--|
| | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | | 8 | 1 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 4 | 5 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | | |
| | | 5 | 1 | 9 | 9 | 4 | 4 | 5 | 0 | 1 | 1 | 5 | 1 | 3 | 3 | 3 | 0 | 0 | 0 | 4 | 6 | 0 | 4 | 6 | 0 | 5 | 0 | 4 | 8 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 2 | | | |

Hyperplasia, Lymphoid

Lymph Node, Mesenteric
Hemorrhage

Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte

Spleen
Extramedullary Hematopoiesis
Hyperplasia, Lymphoid

Thymus
Atrophy
Cyst
Hemorrhage
Hyperplasia, Lymphoid

INTEGUMENTARY SYSTEM

Mammary Gland
Hyperplasia, Diffuse
Duct, Dilation

Skin
Ulcer
Epidermis, Hyperplasia, Multifocal
Hair Follicle, Atrophy

MUSCULOSKELETAL SYSTEM

Bone

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|----------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|------|
| B6C3F1 MICE FEMALE | 10 W/kg | DAY ON TEST | 075 | 074 | 073 | 073 | 074 | 074 | 075 | 070 | 071 | 071 | 075 | 074 | 075 | 074 | 074 | 074 | 076 | 077 | 077 | 077 | 077 | 076 | 078 | 071 | females
(cont...) | |
| | | ANIMAL ID | 0079 | 0077 | 0077 | 0078 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | | 0088 |
| | | | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | | 2 |

Angiectasis

Infiltration Cellular, Lymphocyte

2 2 2 1 2 2 2 2 1 2 2 2 1 1 1 2 2 2 1 2 1 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | | |
| 10 W/kg | | 9 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 6 | 4 | |
| | | 0 | 2 | 1 | 5 | 3 | 6 | 2 | 4 | 1 | 2 | 0 | 2 | 6 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Gallbladder | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 72 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 4 1.5 |
| Intestine Large, Cecum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Intestine Large, Rectum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Small, Duodenum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Liver | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Basophilic Focus | | | | | | | | | | | | | | | | | 5 |
| Fatty Change | | | | | | | | | 2 | | | | | | | | 2 3.0 |
| Infiltration Cellular, Lymphocyte | | | | 2 | 1 | | 1 | | 1 | | 1 | | 1 | | | | 32 1.3 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | 1 |
| Necrosis | | | | | | | | | | | | | | | | | 3 1.7 |
| Centrilobular, Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | 1 3.0 |
| Hepatocyte, Inclusion Body Intracytoplasmic | | | | | | | | | | | | | | | | | 1 2.0 |
| Hepatocyte, Vacuolization Cytoplasmic | 2 | | | | | | | | | | | | | | | | 1 2.0 |
| Mesentery | | | | + | | | | | | | + | + | | | | | 30 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | |
|---|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-----------------|--------|--|
| | 0390 | 0752 | 0751 | 0745 | 0744 | 0744 | 0752 | 0744 | 0711 | 0722 | 0700 | 0700 | 0700 | 0660 | 0700 | | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | |
| | 00823 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | | | |
| | 34 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | | | | | | | | | | | | | | | | * TOTALS | | |
| Fat, Necrosis | | | | 3 | | | | | | 3 | | | 2 | | | 27 2.5 | | |
| Pancreas | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 86 | | |
| Degeneration | | | | | | | | | | | | | | | | 1 2.0 | | |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | | | | 1 4.0 | | |
| Infiltration Cellular, Lymphocyte | | | | 2 1 | | | | | | | | 1 2 | | 24 1.4 | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | 1 3.0 | | |
| Necrosis | | | | | | | | | | | | | | | | 1 3.0 | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | 1 4.0 | | |
| Duct, Cyst | | | | | | | | | | | | | | | | 3 | | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 4.0 | | |
| Salivary Glands | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | | |
| Infiltration Cellular, Lymphocyte | | | 2 1 | | 1 1 | | 2 2 | | | | 1 1 | | 1 2 | | 2 | | 62 1.5 | |
| Stomach, Forestomach | A + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 85 | | |
| Stomach, Glandular | A + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 85 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 2 1.0 | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | |
| Aorta | + + + + + M + + + + + + + + + | | | | | | | | | | | | | | | 89 | | |
| Degeneration | | | | | | | | | | | | | | | | 1 4.0 | | |
| Heart | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | | |
| Cardiomyopathy | | | | | | | | | | | 1 | | 3 1.0 | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 2.0 | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 2 1.0 | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | 1 2.0 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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A .. Autolysis precludes evaluation

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

Lab: IIT

| | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | | |
| 10 W/kg | | 9 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 6 | 4 | |
| | | 0 | 2 | 1 | 5 | 3 | 6 | 2 | 4 | 1 | 2 | 0 | 2 | 6 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|---------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | 1 |
| Bilateral, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | 86 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 87 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 86 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 3 1.7 |
| Parathyroid Gland | + | M | M | M | + | + | + | M | + | + | + | M | M | + | M | | 62 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pituitary Gland | + | + | + | + | + | I | + | M | + | + | + | + | + | + | + | | 84 | |
| Pars Distalis, Angiectasis | | | | 2 | | | | | | | | | | | | | | 5 2.2 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | 1 |
| Pars Distalis, Cytoplasmic Alteration | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 4 2.3 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 86 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 3 1.0 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|----------|--|
| Tissue NOS | | | | | + | | | | | | | | | | | | 2 | |
|------------|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|----------|--|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 86 | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-----|--|
| | 0390 | 0752 | 0751 | 0745 | 0744 | 0744 | 0752 | 0744 | 0711 | 0722 | 0702 | 0702 | 0702 | 0660 | 0700 | | |
| ANIMAL ID | 00823 | 00824 | 00825 | 00827 | 00828 | 00829 | 00830 | 00831 | 00832 | 00833 | 00834 | 00835 | 00837 | 00838 | | | |
| | 00802 | 00803 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | 00808 | | | |
| | 00822 | 00822 | 00822 | 00822 | 00822 | 00823 | 00823 | 00823 | 00823 | 00823 | 00823 | 00823 | 00823 | 00823 | | | |
| | 00833 | 00834 | 00835 | 00837 | 00838 | 00839 | 00840 | 00841 | 00842 | 00843 | 00844 | 00845 | 00847 | 00848 | | | |
| | | | | | | | | | | | | | | | * TOTALS | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 | 2.0 | |
| Ovary | M | M | I | + | + | + | + | + | + | + | + | + | + | + | 80 | | |
| Angiectasis | | | | | | | | | | | | | | | 2 | 2.0 | |
| Cyst | | | | | | | | | | | | | | | 7 | | |
| Hyperplasia, Tubulostromal | | | | | | | | | | | | | | | 1 | 2.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 | 2.0 | |
| Thrombus | | | | | | | | | | | | | | | 1 | 4.0 | |
| Bursa, Cyst | | | | | | | | | | | | | | | 1 | | |
| Follicle, Cyst | | | | | | | | | | | | | | | 7 | | |
| Paraovarian Tissue, Cyst | | | | | | | | | | | | | | | 1 | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | | |
| Angiectasis | | | | | | | | | | | | | | | 3 | 3.0 | |
| Dilation | | | | | | | | | | | | | | | 26 | 3.0 | |
| Endometrium, Cyst | | | | | | | | | | | | | | | 1 | | |
| Endometrium, Hyperplasia | | | | | | | | | | | | | | | 1 | 2.0 | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | 68 | 2.4 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Hypercellularity | | | | | | | | | | | | | | | 4 | 3.0 | |
| Lymph Node | | | | | | | | | | | | | | | 14 | | |
| Hemorrhage | | | | | | | | | | | | | | | 1 | 3.0 | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 4 | 2.0 | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 2 | 2.0 | |
| Lymph Node, Mandibular | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 83 | | |
| Hemorrhage | | | | | | | | | | | | | | | 1 | 3.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1) Minimal 3) Moderate

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Experiment Number: 20105 - 78

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | |
| | | 9 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 6 | 6 | 4 | | |
| | | 0 | 2 | 1 | 5 | 3 | 6 | 2 | 4 | 1 | 2 | 0 | 2 | 6 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | | |

Hyperplasia, Lymphoid

4 2.8

Lymph Node, Mesenteric
Hemorrhage

+ + + + + + + + + + + + + + +

83

1 1.0

Hyperplasia, Lymphoid

4 2

3 3.0

Infiltration Cellular, Histiocyte

4 2.3

Spleen

A + + + + + + + + + + + + + + +

87

Extramedullary Hematopoiesis

1 2

11 2.5

Hyperplasia, Lymphoid

3 2

10 2.2

Thymus

M + + + + + + + + + + + + + + +

86

Atrophy

1 3.0

Cyst

X

2

Hemorrhage

1 2.0

Hyperplasia, Lymphoid

2

2 3.0

INTEGUMENTARY SYSTEM

Mammary Gland

M + + + + + + + + + + + + + + +

84

Hyperplasia, Diffuse

1 2.0

Duct, Dilation

1 3.0

Skin

+ + + + + + + + + + + + + + +

90

Ulcer

2 3.0

Epidermis, Hyperplasia, Multifocal

1 3.0

Hair Follicle, Atrophy

3 2

8 3.0

MUSCULOSKELETAL SYSTEM

Bone

+ + + + + + + + + + + + + + +

90

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

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Experiment Number: 20105 - 78

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/24/2017

Time Report Requested: 12:30:15

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

Lab: IIT

| | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | | |
| 10 W/kg | | 9 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 6 | 4 | |
| | | 0 | 2 | 1 | 5 | 3 | 6 | 2 | 4 | 1 | 2 | 0 | 2 | 6 | 0 | 0 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Fibro-Osseous Lesion | 2 | | | | | | | | | | | | | | | | 3 2.7 |
| Increased Bone | | | | | | | | | | | | | | | | | 1 2.0 |

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|--|
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Degeneration | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 16 1.4 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 2.0 | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|--|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Mineral | | 2 | 2 | 2 | 1 | 1 | 1 | | 2 | 2 | | 1 | 2 | 2 | 1 | | 78 1.4 | | |
| Necrosis | | | | | | | | | | | | | | | | | 1 1.0 | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 2 2.0 | | |

| | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|
| Brain Trigeminal Ganglion | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|

| | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|
| Nerve Trigeminal | M | + | + | M | + | + | + | M | M | M | M | M | M | M | M | M | 35 | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|

| | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|--|--|
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
| Axon, Degeneration | | | | | | | | | | | | | | | | | 6 1.8 | | |

| | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|--|--|
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 2 1.5 | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|--|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Congestion | 3 | | | | | | | | | | | | | | | | 1 3.0 | | |
| Hemorrhage | 2 | | | | | | | | | | | 3 | | | | | 3 2.3 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 3 2.0 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0390 | 0752 | 0751 | 0744 | 0744 | 0744 | 0755 | 0744 | 0751 | 0752 | 0744 | 0755 | 0744 | 0751 | 0752 | |
| ANIMAL ID | 00823 | 00824 | 00825 | 00827 | 00828 | 00829 | 00830 | 00831 | 00832 | 00833 | 00834 | 00835 | 00837 | 00838 | 00839 | |
| Inflammation, Chronic Active | | | | | | 2 | | | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | 3 1.7 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Vomeranosal Organ, Cyst | | X | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Anterior Chamber, Inflammation, Acute | | | | | | | | | | | | | | | | 1 2.0 |
| Cornea, Inflammation, Acute | | | | | | | | | | | | | | | | 1 2.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Infiltration Cellular, Lymphocyte | | | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | | | 1 | 63 1.2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | |
| Kidney | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 1.0 |
| Infarct | | | | | | 2 | | | | | | | | | | 14 1.5 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 2 |
| Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | 14 1.1 |
| Interstitial, Infiltration Cellular, Lymphocyte | | 2 | | 1 | 1 | 2 | | 1 | 1 | | 1 | 1 | | | 2 | 56 1.4 |
| Papilla, Mineral | | | | | | | | | | | | | | | | 1 1.0 |
| Pelvis, Mineral | | | | | | | | | | | | | | | | 1 1.0 |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | 1 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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| | | | | | | | | | | | | | | | | | |
|-----------------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| B6C3F1 MICE FEMALE | 10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | |
| | | | 9 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 6 | 4 |
| | | | 0 | 2 | 1 | 5 | 3 | 6 | 2 | 4 | 1 | 2 | 0 | 2 | 6 | 0 | 0 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | | |
| * TOTALS | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | 2 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | 2 | | 2 | 1 | 2 | | 1 | 2 | | | 2 | 2 | 1 | 68 | 1.7 |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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