

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

Final 1 CDMA Mice Core study

NTP Study Number:	C20105B		
Lock Date:	04/07/2016		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25022 ACCK	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	DAY ON TEST	0 5 8 8	0 7 3 2	0 7 2 9	0 7 3 3	0 7 3 9	0 7 3 2	0 5 6 8	0 7 3 8	0 2 6 3	0 7 3 0	0 7 3 1	0 7 3 9	0 6 9 5	0 7 3 7	0 7 3 3	0 7 3 3	0 7 7 9	0 6 3 7	0 7 2 5	0 7 3 8	0 4 8 3	0 7 3 3	0 7 3 1	0 7 3 6	males (cont...)		
	0 W/kg	ANIMAL ID	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 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2		0 0 0 0 2	0 0 0 0 3

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	M	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	+	+	+	M	+	+	+	A	+	+	+	+	+	+	A	+	A	+	+	+	+	+
Intestine Small, Ileum Peyer's Patch, Hyperplasia, Lymphoid Peyer's Patch, Infiltration Cellular, Plasma Cell	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	M	+	+	+	+	+
Intestine Small, Jejunum Inflammation, Granulomatous Epithelium, Cyst	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																										
Clear Cell Focus		X						X		X								X	X		X				X	
Eosinophilic Focus																		X								
Extramedullary Hematopoiesis																										
Fatty Change		2			1			2										2	2						2	2
Fibrosis																										2
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

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A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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

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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	males (cont...)	
		5	7	7	7	7	7	5	7	2	7	7	7	6	7	7	7	7	6	7	7	4	7	7	7		
		8	3	2	3	3	3	6	3	6	3	3	2	9	3	3	3	3	3	7	2	3	8	3	3		3
		8	2	9	0	9	2	8	8	3	0	1	9	5	7	1	8	9	0	6	5	7	8	3	1		6
	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	3	3	3		
	1	2	3	4	6	7	8	0	1	3	4	5	6	7	9	0	1	3	4	5	8	9	0	1	2		

CARDIOVASCULAR SYSTEM

Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Blood Vessel Inflammation, Chronic																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bacteria																									
Cardiomyopathy			1							1															
Inflammation, Acute																									
Inflammation, Chronic Active																					2				
Thrombus																									
Artery, Inflammation, Chronic Active																									
Endocardium, Mineral																									
Epicardium, Inflammation, Chronic																									
Epicardium, Mineral																									
Myocardium, Mineral																				1					
Myocardium, Necrosis																									

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule			X																						
Angiectasis																									
Hyperplasia, Focal									2																
Hypertrophy, Focal																									
Bilateral, Hypertrophy, Focal																									
Subcapsular, Hyperplasia		2	2	2	2	2	2	2		1	2		2	2	1	2	2	1	2	2		2	2		

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	5	7	7	7	7	7	5	7	2	7	7	6	7	7	7	7	6	7	7	4	7	7	4	7	7	7	7		

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Infiltration Cellular, Lymphocyte		2														2		3	3							2	3
Parathyroid Gland	M	+	+	+	+	+	M	+	M	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+
Pituitary Gland Pars Distalis, Angiectasis Pars Distalis, Cyst Pars Distalis, Hyperplasia, Focal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

GENERAL BODY SYSTEM

Peritoneum	+
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GENITAL SYSTEM

Coagulating Gland Cyst																											
Epididymis Granuloma Sperm	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte	1			1	1			1		1				2										1		2	1
Preputial Gland Infiltration Cellular, Lymphocyte Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		1		1	1			2							1		2	2	1	1	1	1	1	1	1	3	1

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B6C3F1 MICE MALE 0 W/kg	DAY ON TEST																								males (cont...)
	0588	0732	0772	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773		
	ANIMAL ID																								
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
	12	34	67	80	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
Inflammation, Chronic Active Bilateral, Duct, Dilation Duct, Dilation Duct, Necrosis										2															
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	+	+	+	+	M	+
Lymph Node, Mesenteric Erythrophagocytosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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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
		5	7	7	7	7	5	7	2	7	7	7	6	7	7	7	7	7	6	7	4	7	7	7	7
0 W/kg	ANIMAL ID	8	3	2	3	3	3	6	3	6	3	3	2	9	3	3	3	3	7	2	3	8	3	3	3
		8	2	9	0	9	2	8	8	3	0	1	9	5	7	1	8	9	0	6	5	7	8	3	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	0	0	0	0	0	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	2	2	2	2	2	2	3	3	
		1	2	3	4	6	7	8	0	1	3	4	5	6	7	9	0	1	3	4	5	8	9	2	

males (cont...)

Hemorrhage	2	2																						
Hyperplasia, Lymphoid																				2				
Infiltration Cellular, Histiocyte											2													2
Infiltration Cellular, Plasma Cell																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Extramedullary Hematopoiesis					2						2										2			
Hyperplasia, Lymphoid							3										2	2						
Thymus	M	+	+	+	M	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Atrophy													4								4			
Cyst																								
Hemorrhage																								3

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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Mixed Cell																								1
Ulcer																								3

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

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

RESPIRATORY SYSTEM

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

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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	0	0	0	0	0	0	0	0	0	0	0	0	0			
		5	7	7	7	7	7	5	7	2	7	7	7	6	7	7	7	7	7	7	6	7	4	7	7	7	4	7	7	7	7	7	7	7	7	7	7	7	7		
		8	3	2	3	3	3	6	3	6	3	3	2	9	3	3	3	3	3	3	7	2	3	8	3	3	3	8	3	3	3	3	3	3	3	3	3	3	3	3	3
		8	2	9	0	9	2	8	8	3	0	1	9	5	7	1	8	9	0	0	6	5	7	8	3	1	6	3	1	6	3	6	3	6	3	6	3	6	3	6	
	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	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	3	4	6	7	8	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

males (cont...)

Respiratory Epithelium, Accumulation, Hyaline Droplet

2

Respiratory Epithelium, Hyperplasia
Vomeranosal Organ, Fibrosis

2

1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

Cornea, Fibrosis

+ +

Harderian Gland

Hemorrhage

Hyperplasia, Focal

Infiltration Cellular, Lymphocyte

+ +

2

2 1 2 1 2 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

X

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

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0588 | 0732 | 0773 | 0773 | 0773 | 0563 | 0763 | 0263 | 0763 | 0772 | 0776 | 0773 | 0773 | 0773 | 0773 | 0773 | 0676 | 0773 | 0744 | 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 | | 0020 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 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
BLANK .. Not examined microscopically

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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 | 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 |
| 0 W/kg | ANIMAL ID | 5 | 3 | 3 | 0 | 6 | 7 | 3 | 3 | 0 | 2 | 2 | 3 | 9 | 3 | 3 | 5 | 2 | 3 | 9 | 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 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| | | | | | | | | | | | | | | | | | | | | | | | |

males (cont...)

Infiltration Cellular, Mixed Cell
Inflammation, Focal
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis

1

2

Mesentery
Fat, Necrosis

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

Pancreas
Hemorrhage
Infiltration Cellular, Lymphocyte
Inflammation, Granulomatous
Duct, Cyst
Duct, Fibrosis

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

Salivary Glands
Infiltration Cellular, Lymphocyte

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

Stomach, Forestomach
Epithelium, Hyperplasia, Focal

A +
2 2

Stomach, Glandular
Hemorrhage
Epithelium, Hyperplasia, Focal

A +

Tooth
Dysplasia
Inflammation, Suppurative

+
4 1 3 2 2 2 2 4 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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|
| 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...) | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Blood Vessel
Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bacteria | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 2 | | | 1 | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | 4 | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Endocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | 1 | | | | | 2 | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | 2 | 2 | | 2 | | 1 | 2 | | 2 | 1 | 2 | 1 | 2 | 1 | | 2 | 2 | 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
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Experiment Number: 20105 - 75

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 0 | ANIMAL ID | males
(cont...) | |
|----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|
| | | 3 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 3 | 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 | | | |
| | | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 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 | 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 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | 2 | | | | 2 | | | | | | | | | | | | 2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | 1 | 1 | | | | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Preputial Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | 2 | 2 | 1 | | | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | | | 1 | 2 | | 2 | 2 | 1 | |
| 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

| B6C3F1 MICE MALE
0 W/kg | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
| | | 0350 | 0358 | 0372 | 0376 | 0378 | 0386 | 0387 | 0391 | 0392 | 0393 | 0394 | 0395 | 0396 | 0397 | 0398 | 0399 | 0400 | 0401 | 0402 | 0403 | 0404 | 0405 | 0406 | 0407 | | |
| ANIMAL ID | | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 |
| Hemorrhage | | | | | | | | | | | | 2 | | | | | | | | 1 | 2 | 2 | | | | | |
| Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | | | 2 | 2 | | | | 3 | | | | | | 2 | 2 | | | | | | | |
| Thymus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | + | + | + | M | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | M | + | M | + | + | + | + |
| Cyst | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | 4 | 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 | M | M | M | 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

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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 | | | | | | | | | | | | | | | | | | | | ANIMAL ID | 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
9
3 | 0
7
3
7 | 0
4
5
5 | 0
6
2
2 | 0
7
3
6 | 0
6
9
0 | 0
7
3
8 | 0
7
3
2 | | | 0
7
3
1 | 0
7
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 | 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 | 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 | |

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | 2 | | | | | | 2 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchiole, Foreign Body | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchiole, Inflammation, Suppurative | | | | X | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | 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 | 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 | |
| 0 W/kg | ANIMAL ID | 5 | 3 | 3 | 0 | 6 | 7 | 3 | 3 | 0 | 2 | 2 | 3 | 9 | 3 | 3 | 5 | 2 | 3 | 9 | 3 | 3 | 3 | 3 | males
(cont...) |
| | | 0 | 8 | 2 | 8 | 7 | 4 | 7 | 1 | 2 | 9 | 9 | 6 | 3 | 7 | 3 | 5 | 2 | 6 | 0 | 6 | 7 | 3 | 8 | |

Respiratory Epithelium, Accumulation, Hyaline Droplet

Respiratory Epithelium, Hyperplasia
Vomeranasal 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 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 1 1 1 3 1 2 2
1 2 1 2 2 1 2 1 2 2 2 2 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

| 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 | 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 W/kg | | 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 | |
| | | 8 | 2 | 2 | 9 | 3 | 8 | 8 | 0 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 7 | 3 | 3 | 3 | 7 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | |
| | | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peyer's Patch, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | |
| Inflammation, Granulomatous Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Basophilic Focus | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Clear Cell Focus | | | X | X | | X | X | | | | | | X | | X | | X | | X | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | X | | | | | | | | | | | | X | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | 2 | 2 | 2 | | 2 | | 2 | | | | 1 | | | 2 | | 2 | 2 | 1 | 2 | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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...) | | |
|----------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 7 | 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 | 3 | 2 | | | |
| | | 8 | 2 | 2 | 9 | 3 | 8 | 8 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 3 | 3 | 0 | 3 | 7 | 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 | 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 | 8 | | | |
| | | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| | Infiltration Cellular, Mixed Cell
Inflammation, Focal
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1
1
1
3 | |
| | Mesentery
Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| | Pancreas
Hemorrhage
Infiltration Cellular, Lymphocyte
Inflammation, Granulomatous
Duct, Cyst
Duct, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| | Salivary Glands
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | +
1 2 2 1 1 2 1 2 2 1 2 2 1 1 2 2 2 2 1 1 | |
| | Stomach, Forestomach
Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| | Stomach, Glandular
Hemorrhage
Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| | Tooth
Dysplasia
Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | +
4 2 1 3 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
 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 - 75
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 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 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 | 6 |
| 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 | 0 | 0 | 0 | 0 |
| | | 8 | 3 | 3 | 2 | 3 | 5 | 3 | 0 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | 3 | 7 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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 | 4 | 5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | males | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | (cont...) | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epicardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 2 | 1 | | 2 | 1 | 2 | 2 | | | 2 | | 1 | 2 | | | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 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
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 0 W/kg | ANIMAL ID | 3 | 3 | 3 | 2 | 3 | 3 | 5 | 3 | 0 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 8 | 2 | 2 | 9 | 3 | 8 | 8 | 0 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 3 | 3 | 2 | 3 | 0 | 3 | 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 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 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 | 7 | 8 | 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 | 4 | 5 | |

males (cont...)

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

GENERAL BODY SYSTEM

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

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | + | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | 2 | | | | 1 | | | | | | 1 | | | | | | | | 1 | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | 2 | | 2 | 1 | 2 | | | | | | 2 | 1 | 3 | 1 | 1 | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0732 | 0739 | 0733 | 0738 | 0678 | 0703 | 0708 | 0706 | 0701 | 0702 | 0703 | 0702 | 0701 | 0702 | 0703 | 0703 | 0703 | 0702 | 0703 | 0703 | 0707 | 0672 | 0703 | 0703 | 0702 | 0706 |
| | ANIMAL ID | 00060 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 | 00066 |

males (cont...)

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

2 3
3
3
2

Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active

+
1

Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation

+
3
2
2 3
3

Testis
Germ Cell, Degeneration

+ +

HEMATOPOIETIC SYSTEM

Bone Marrow
Hypercellularity

+
2

Lymph Node
Renal, Hemorrhage

+ +

Lymph Node, Mandibular
Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte

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

Lymph Node, Mesenteric
Erythrophagocytosis

+ +

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | 2 | 3 | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | |
| 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 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|---|
| | 0
7
3
8 | 0
7
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2 | 0
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2 | 0
7
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9 | 0
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3 | 0
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1 | 0
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9 | 0
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1 | 0
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3 | 0
7
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2 | 0
7
7
3 | 0
7
7
0 | 0
7
7
3 | 0
7
7
7 | | 0
6
6
0 | |
| 0 W/kg | 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 | 0 | 0 | 0 | | 0 | 0 |
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | + | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

Experiment Number: 20105 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 | males
(cont...) |
| | | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 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 | |

Respiratory Epithelium, Accumulation, Hyaline Droplet

Respiratory Epithelium, Hyperplasia
Vomeronasal Organ, Fibrosis

Trachea

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

Eye

Cornea, Fibrosis

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Harderian Gland

Hemorrhage

Hyperplasia, Focal

Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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

URINARY SYSTEM

Kidney

Infarct

Inflammation, Suppurative

Inflammation, Granulomatous

Metaplasia, Osseous

Nephropathy, Chronic Progressive

Glomerulus, Cyst

Interstitial, Infiltration Cellular, Lymphocyte

Pelvis, Dilation

Renal Tubule, Cyst

Renal Tubule, Mineral

Urothelium, Inflammation, Chronic Active

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 1 | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 1 | 1 | 1 | 1 | 2 | 1 | | 1 | | 3 | 1 | 3 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 1 | 2 | 2 | | | | 1 | | | | | 3 | | 1 | 1 | | 2 | 1 | | 2 | | | | 1 |
| | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | X | | | | | X | X | | | | | | | X | | | | | | | | | |
| | | | | | | | | 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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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | |
| | | 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 |
| | | 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 |
| | | 8 | 2 | 2 | 9 | 3 | 8 | 8 | 0 | 8 | 6 | 8 | 1 | 9 | 1 | 2 | 6 | 3 | 7 | 7 | 3 | 3 | 0 | 3 | 3 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 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 | 8 | |
| | | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

males
(cont...)

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

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

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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
0
0 | 0
7
3
0 | 0
7
3
8 | 0
7
3
0 | 0
7
9
6 | 0
7
3
3 | 0
7
2
9 | 0
7
2
0 | 0
7
3
1 | 0
7
3
1 | 0
7
2
9 | 0
7
3
2 | 0
7
3
6 | 0
7
3
3 | | | |
| ANIMAL ID | 0
0
0
8
6 | 0
0
0
8
8 | 0
0
0
8
9 | 0
0
0
8
9 | 0
0
0
8
9 | 0
0
0
9
1 | 0
0
0
9
2 | 0
0
0
9
3 | 0
0
0
9
4 | 0
0
0
9
5 | 0
0
0
9
6 | 0
0
0
9
7 | 0
0
0
0
0 | 0
0
0
0
0 | 0
0
0
0
1 | 0
0
0
0
1 | | |
| | Infiltration Cellular, Mixed Cell
Inflammation, Focal
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis | | | X | | | | | 2 | | | | X | | | | | 1 1.0
1 1.0
2 1.5
2
6 2.2 |
| | Mesentery
Fat, Necrosis | | | | | + | | 2 | | | | | | | | | | 12
8 2.3 |
| | Pancreas
Hemorrhage
Infiltration Cellular, Lymphocyte
Inflammation, Granulomatous
Duct, Cyst
Duct, Fibrosis | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 87
1 3.0
3 1.0
1 3.0
1
1 2.0 |
| Salivary Glands
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
58 1.6 | |
| Stomach, Forestomach
Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88
3 2.0 | |
| Stomach, Glandular
Hemorrhage
Epithelium, Hyperplasia, Focal | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 87
1 2.0
1 2.0 | |
| Tooth
Dysplasia
Inflammation, Suppurative | | | | | + | | + | | | | + | | + | | | | 27
26 2.6
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

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 1) Minimal 3) Moderate
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Experiment Number: 20105 - 75

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 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 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 | 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

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | * TOTALS |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 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 | 3 | 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 | 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 | 1 | 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 | 4 | |
| 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 | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | 43 1.6 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | 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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 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 | |
| | | 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 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 2.0 |
| Bilateral, Duct, Dilation | 2 | | | | | | | | | | | | | | | | | 6 2.2 |
| Duct, Dilation | | | | | | | | | | | | | | | | | | 10 3.0 |
| Duct, Necrosis | | | | | | | | | | | | | | | | | | 1 2.0 |

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--------------|
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 4 1.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 3.0 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|---------------|
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Dilation | | | | | | | | 4 | | | | | | | | | | 4 2.8 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 2.0 |
| Bilateral, Dilation | 2 | | 3 | 3 | | | | | | | 2 | 2 | 3 | 2 | | | | 27 2.4 |

| | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--------------|
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Germ Cell, Degeneration | | | | | | | | 1 | | | | | | | | | | 2 1.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|--------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Hypercellularity | | | | | | | | | | 4 | | | | | | | | 3 2.7 |

| | | | | | | | | | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Lymph Node | | | | | | | | | | | | | | | | | | 6 |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | | | 1 3.0 |

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|--------------|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | M | + | + | + | M | M | + | 72 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 2 1.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | 1 | | | | | | | 1 1.0 |

| | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|--------------|
| Lymph Node, Mesenteric | + | + | + | + | + | + | I | + | + | M | + | + | + | + | 85 | | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | 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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Lab: IIT

| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | * TOTALS | |
|------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|
| | 0709 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | | 0703 |
| ANIMAL ID | 0086 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0100 | 0101 | |
| 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 | 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
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Lab: IIT

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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 | 0 | ANIMAL ID | | |
|----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|--|--|
| | | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 0 | 3 | 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 | 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 | 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 | 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | | 0 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | 3 |
| | | 9 | 0 | 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 | 0 | 0 | 1 | 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 | 4 |
| * TOTALS | | | | | | | | | | | | | | | | | |

Respiratory Epithelium, Accumulation, Hyaline Droplet 1 2.0

Respiratory Epithelium, Hyperplasia 2 5 1.8
Vomer nasal 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 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | * TOTALS |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 3 | 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 | 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 | 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 | 4 | |
| | | | | | | | | | | | | | | | | | 87 | |
| Urinary Bladder | | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | 1 | | | | | | | | 1 | 1 | | | |
| | | | | | | | | | | | | | | | | | | 3 2.0 |
| | | | | | | | | | | | | | | | | | | 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

| 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 |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 |
| 2.5 W/kg | ANIMAL ID | 3 | 5 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 8 | 7 | 5 | 9 | 9 | 6 | 9 | 9 | 6 | 2 | 3 | 9 | 1 | 7 | 8 | 0 | 4 | 3 | 2 | 1 | 3 | 9 | 0 | 2 | 6 | 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 |
| | | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Gallbladder | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peyer's Patch, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | X | | | | X | | X | X | X | | | X | X | | | | X | | | X | | | X | | X | |
| Congestion, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | 2 | | | 2 | | | 2 | 2 | 2 | 2 | | 2 | 3 | | | | 2 | | | 2 | | | 3 | | 2 | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|------------------|--|---|
| | 0
7
3
8 | 0
6
5
7 | 0
6
2
5 | 0
7
3
9 | 0
7
2
9 | 0
7
3
6 | 0
7
3
9 | 0
7
3
9 | 0
7
3
6 | 0
7
3
9 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
2
1 | 0
7
3
7 | 0
7
3
3 | 0
2
4
4 | 0
7
3
3 | 0
7
3
1 | 0
7
3
3 | 0
7
3
3 | 0
7
3
0 | | 0
7
3
2 | 0
7
3
3 | | |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0
8
4
1 | 0
0
4
2 | 0
0
4
4 | 0
0
4
5 | 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
3 | 0
0
6
4 | 0
0
6
5 | 0
0
6
6 | 0
0
6
7 | 0
0
6
8 | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vein, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

Aorta
 Inflammation, Chronic

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

Blood Vessel

+

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 5 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 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 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | | males | |
| | | | | | | | | | | | | | | | | | | | | | | | | (cont...) | |

Inflammation, Chronic

3

Heart

+ +

Cardiomyopathy

Thrombus

4

Artery, Inflammation, Chronic Active

3

Endothelium, Hyperplasia

Intima, Vein, Hyperplasia

2

2

Myocardium, Infiltration Cellular, Lymphocyte

2

Myocardium, Inflammation, Chronic Active

1

Myocardium, Mineral

2

Valve, Inflammation, Chronic Active

Vein, Inflammation, Chronic Active

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Hemorrhage

Hyperplasia, Focal

2

3

Hypertrophy, Focal

Vacuolization Cytoplasmic, Focal

Bilateral, Hypertrophy, Focal

Subcapsular, Hyperplasia

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

Adrenal Medulla

Hyperplasia

+ +

Islets, Pancreatic

+ +

Hyperplasia

2

2

3

3

2

Infiltration Cellular, Lymphocyte

* .. 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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Experiment Number: 20105 - 75

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 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 | 5 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | | | | | |
| | | 8 | 7 | 5 | 9 | 9 | 6 | 9 | 9 | 6 | 2 | 3 | 9 | 1 | 7 | 8 | 0 | 4 | 3 | 2 | 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 | | | | | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | | |
| | | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | | | | | |
| Parathyroid Gland
Cyst | | + | + | + | + | M | + | M | + | + | + | M | + | M | + | + | M | M | + | + | M | M | + | M | M | M | | | |
| Pituitary Gland
Pars Distalis, Cyst | | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | I | + | M | | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Arteriole, Inflammation, Chronic Active
Epithelium, Follicle, Hyperplasia, Focal | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Coagulating Gland
Cyst
Infiltration Cellular, Lymphocyte
Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Mononuclear Cell
Artery, Inflammation, Chronic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | 1 | | 1 | 1 | | 1 | | | | | 1 | | | | 2 | | 1 | | | | | | 1 | | |
| | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Preputial Gland
Atrophy
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 2 | 2 | | 2 | 1 | | | | | 2 | | 1 | | 2 | | 1 | 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|------------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|--|--|
| 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 | | |
| ANIMAL ID | | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 5 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | | |
| | | 8 | 7 | 5 | 9 | 9 | 6 | 9 | 9 | 6 | 2 | 3 | 9 | 1 | 7 | 8 | 0 | 4 | 3 | 2 | 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 | | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | | |
| Bilateral, Duct, Dilation | | | | | | | | 2 | | | | | | | 3 | | | | | | | | | | |
| Duct, Dilation | | | | | | 2 | 2 | | | | | | | | | | | | | | 3 | | | | |
| Prostate | | + | + | + | + | + | + | + | + | + | I | + | M | + | + | + | A | + | + | + | + | + | + | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | | |
| Dilation | | | | | | | | 3 | | | | | | | 2 | 2 | | | | | | | 1 | | |
| Bilateral, Dilation | | | | | | | | | | | | 2 | | 2 | | | | | | | 3 | | | | |
| Testis | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node | | | | | | | | + | + | | | | | | | | | | | | | | | | |
| Iliac, Erythrophagocytosis | | | | | | | | + | + | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | 2 | 3 | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | 2 | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Lymph Node, Mandibular | | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | 2 | | 1 | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | 3 | 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 - 75
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0738 | 0657 | 0625 | 0739 | 0723 | 0733 | 0733 | 0739 | 0736 | 0722 | 0733 | 0723 | 0731 | 0737 | 0738 | 0724 | 0733 | 0721 | 0733 | 0739 | | | 0730 | 0733 | 0732 | 0736 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | M | + | I | + | + | M | + | + | M | + | + | + | + | + | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| Skin | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineral | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | | 2 | 2 | 2 | | | | | 1 | 2 | 2 | 2 |
| 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0657 | 0625 | 0739 | 0779 | 0776 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 |
| | 2.5 W/kg | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 | 0084 |
| | ANIMAL ID | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 8 |

males
(cont...)

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose Respiratory Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye Cornea, Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. 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 | 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 | 2 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 5 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 3 |
| 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 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

Cornea, Hyperplasia, Squamous, Diffuse

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | | | 2 | 1 | | | | | 1 | 1 | | | | 1 | | 1 | 1 | 1 | 1 | 2 | | 1 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Infarct | | | | | | | | 1 | | | | | | | | | | 2 | | 1 | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | X |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | | 2 | 1 | 1 | 1 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Infarct | | | | | | | | | | | | | | | | | | | | | | | |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | | 1 | | 1 | 2 | 1 | 1 | | 2 | 1 | 2 | 1 | 1 | | 2 | 2 | | 2 | 1 | 1 | 1 | 1 | 1 |
| Renal Tubule, Cyst | | X | | | X | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 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 | 0731 | 0733 | 0737 | 0742 | 0749 | 0756 | 0763 | 0770 | 0777 | 0784 | 0791 | 0798 | 0805 | 0812 | 0819 | 0826 | 0833 | 0840 | 0847 | 0854 | 0861 | 0868 | 0875 | 0882 | 0889 | 0896 | 0903 | 0910 | 0917 | 0924 | 0931 | 0938 | 0945 | 0952 | 0959 | | | | | |
| | ANIMAL ID | 00869 | 00887 | 00891 | 00902 | 00908 | 00914 | 00920 | 00926 | 00932 | 00938 | 00944 | 00950 | 00956 | 00962 | 00968 | 00974 | 00980 | 00986 | 00992 | 00998 | 01004 | 01010 | 01016 | 01022 | 01028 | 01034 | 01040 | 01046 | 01052 | 01058 | 01064 | 01070 | 01076 | 01082 | 01088 | 01094 | | | | |
| 2.5 W/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) |

ALIMENTARY SYSTEM

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 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 |
| 2.5 W/kg | | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 |
| | | 1 | 9 | 7 | 6 | 9 | 3 | 1 | 9 | 9 | 7 | 9 | 3 | 6 | 3 | 8 | 6 | 9 | 7 | 9 | 7 | 9 | 7 | 9 | 7 | 9 | 7 | 9 | 7 | 9 | 7 | 9 | 7 | 9 | 6 | 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 |
| | | 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 | 8 | 8 |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 0 | 1 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | | | | | | | | | | |

males (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mixed Cell Focus | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vein, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Squamous | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aorta | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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

Inflammation, Chronic

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | |
| Intima, Vein, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Vein, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 3 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Hypertrophy, Focal | | | | 2 | 2 | | | | | | | 2 | | | | | | | | | | 2 | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | | 2 | 1 | | 2 | 1 | 2 | 1 | | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | 2 | | | 2 | | | | | | 2 | | | | | | 3 | | | | | | | | | |
| 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | males
(cont...) |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | |
| 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 | males
(cont...) |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 0 | 1 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 8 | |

Infiltration Cellular, Histiocyte 2 2 2 2 2

Spleen Extramedullary Hematopoiesis Hyperplasia, Lymphoid + 2 3

Thymus Atrophy Cyst Hyperplasia, Lymphoid I + + M + + + + M + + + + + + + + + + + + + + + + X X X X 3

INTEGUMENTARY SYSTEM

Mammary Gland M

Skin Ulcer +

MUSCULOSKELETAL SYSTEM

Bone +

Skeletal Muscle Degeneration Infiltration Cellular, Lymphocyte +

NERVOUS SYSTEM

Brain Mineral Necrosis + 2 2 1 2 1 1 1 2 2 2 2 2 2 1 2 2 1 2 2 1 2 1 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
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Experiment Number: 20105 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | | |
|------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-------|-------|
| | 0731 | 0733 | 0736 | 0739 | 0732 | 0733 | 0731 | 0739 | 0762 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | 0777 |
| 2.5 W/kg | 00869 | 00887 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 | 00877 |

males (cont...)

Artery, Meninges, Inflammation, Chronic Active 1

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

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

Peripheral Nerve, Sciatic Axon, Degeneration +

Spinal Cord Degeneration + 2

Necrosis 1

Artery, Meninges, Inflammation, Chronic Active 1

RESPIRATORY SYSTEM

Lung Hemorrhage +

Infiltration Cellular, Histiocyte 3 1 2

Infiltration Cellular, Lymphocyte 2

Alveolar Epithelium, Hyperplasia, Focal 2

Nose Respiratory Epithelium, Hyperplasia +

Trachea +

SPECIAL SENSES SYSTEM

Eye Cornea, Edema +

* .. 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

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

males
(cont...)

Cornea, Hyperplasia, Squamous, Diffuse

Harderian Gland

Hyperplasia, Focal

Infiltration Cellular, Lymphocyte

Mineral

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

URINARY SYSTEM

Kidney

Infarct

Metaplasia, Osseous

Mineral

Nephropathy, Chronic Progressive

Artery, Inflammation, Chronic Active

Bilateral, Infarct

Glomerulus, Cyst

Interstitial, Infiltration Cellular, Lymphocyte

Renal Tubule, Cyst

Renal Tubule, Hyperplasia, Focal

Renal Tubule, Mineral

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | 1 | | | 2 | | | | | | | | | | | | | | |
| | | | | X | | | | | | | | | | | 2 | | | 1 | | | | | | X |
| 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 1 | 2 | | 1 | | | 2 | 2 | 2 | | 2 | | 1 | | | 2 | | 1 | | 2 | | 2 | 2 |
| | | | | | X | | | | | | X | | | X | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | |

Urinary Bladder

Infiltration Cellular, Lymphocyte

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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ANIMAL ID | 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 | 7 | 7 | 7 | 7 |
| 2.5 W/kg | ANIMAL ID | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | ANIMAL ID | 9 | 3 | 7 | 8 | 2 | 2 | 0 | 0 | 7 | 0 | 0 | 1 | 9 | 7 | 1 | 3 | 0 | 1 | 9 | 0 | 6 | 3 | 3 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |

males
(cont...)

Inflammation, Chronic

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intima, Vein, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vein, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | 2 | | | | | | | | | 2 | | | 1 | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | 1 | 2 | 2 | 1 | | 2 | | | 2 | 2 | 1 | 2 | 1 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 2 | | | | | | |
| 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

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|---|---|---|---|--|
| | 0
7
2
9 | 0
7
3
3 | 0
7
3
7 | 0
7
3
8 | 0
7
3
2 | 0
7
3
2 | 0
7
3
0 | 0
7
3
0 | 0
5
1
7 | 0
7
3
0 | 0
7
3
1 | 0
7
3
3 | 0
7
3
3 | 0
7
3
9 | 0
7
3
7 | 0
7
3
1 | 0
7
3
3 | 0
7
3
0 | 0
7
3
1 | 0
7
3
9 | | | 0
7
3
0 | 0
7
3
6 | 0
7
3
3 | 0
7
3
2 | 0
7
3
8 | 0
7
3
8 | | | | | | |
| Parathyroid Gland
Cyst | M | M | M | M | + | M | + | M | M | + | M | + | + | + | M | + | + | M | M | + | + | + | + | + | M | + | X | | | | | | | |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Arteriole, Inflammation, Chronic Active
Epithelium, Follicle, Hyperplasia, Focal | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland
Cyst
Infiltration Cellular, Lymphocyte
Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | X | 3 | | | | |
| Epididymis
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Mononuclear Cell
Artery, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Preputial Gland
Atrophy
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 3 | 1 | 1 | 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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 M .. Missing tissue
 A .. Autolysis precludes evaluation
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 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | males
(cont...) |
| | | 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 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bilateral, Duct, Dilation | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilation | | 2 | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | | | | 1 | | |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Dilation | | | | | | | | | | | | 2 | | | | | | 2 | | | | | | | |
| Bilateral, Dilation | | | | | 2 | 3 | | | | | 3 | | | | | | | | 2 | | | | 2 | | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | 2 | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | M | M | + | + | + | + | + | M | M | + | M | I | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | 2 | 2 | | | 2 | | 1 | | | | | |
| Hyperplasia, Lymphoid | | | | 1 | | | | | | | | | | | | | | | | | | | 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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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0733 | 0737 | 0738 | 0772 | 0775 | 0777 | 0777 | 0751 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 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 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 9 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Spleen | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | X | X | | | | | | | | | | | | | X | X | X | | | | | X | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 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 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | |

| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |

| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | |
| Mineral | | | 1 | 2 | 1 | | | 2 | 2 | 1 | 2 | 1 | 2 | | | 2 | 1 | 1 | 2 | 2 | 1 | | | 1 | 2 | | | 2 | 1 | 2 |
| 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:
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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| 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 | | 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 | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 3 | 7 | 8 | 2 | 2 | 0 | 7 | 0 | 0 | 1 | 7 | 1 | 3 | 0 | 1 | 9 | 0 | 6 | 3 | 3 | 8 | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 6 | |

males
(cont...)

Artery, Meninges, Inflammation, Chronic Active

Brain Trigeminal Ganglion

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

Nerve Trigeminal

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

Peripheral Nerve, Sciatic
Axon, Degeneration

+ +

Spinal Cord
Degeneration
Necrosis
Artery, Meninges, Inflammation, Chronic Active

+ +

RESPIRATORY SYSTEM

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

+ +

1 2

Nose
Respiratory Epithelium, Hyperplasia

+ +

Trachea

+ + I +

SPECIAL SENSES SYSTEM

Eye
Cornea, Edema

+ +

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
| | 0729 | 0733 | 0737 | 0778 | 0772 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | 9900 | |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0002 | 0002 | 0002 | 0002 | 0002 | |
| | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0011 | 0012 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0021 | 0022 | 0023 | 0024 | 0026 | 0027 | 0028 | |

Cornea, Hyperplasia, Squamous, Diffuse

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | 1 | | 1 | 2 | 1 | 1 | | | | | | | | 2 | 2 | 1 | | 2 | 1 | 1 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | X | | | | | | | | X | | | | | | | |
| Mineral | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glomerulus, Cyst | | | | | | | | X | | | | | | | | | | | | X | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 3 | | 2 | | | | 1 | | | | 1 | 1 | 2 | 1 | 2 | 2 | | | | | 1 | | | 1 | 1 | 1 |
| Renal Tubule, Cyst | | | | | | | | | | X | | | | | | | | | | | X | | | | | |
| Renal Tubule, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 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
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 5 | 7 | 7 | 7 | 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 | 0 | 0 | 0 | 0 | 0 |
| | | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 9 | 3 | 3 | 3 | 4 | 4 |
| | | 7 | 7 | 2 | 6 | 2 | 1 | 8 | 9 | 9 | 8 | 0 | 4 | 6 | 8 | 2 | 6 | 6 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 9 | 9 |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 7 |
| * TOTALS | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | 1 1.0 |
| Gallbladder | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 86 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 1 2.0 |
| Peyer's Patch, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | 1 3.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | 2 |
| Clear Cell Focus | | X | X | X | X | X | X | X | | X | | | X | X | X | | | 49 |
| Congestion, Chronic | | | | | | | | | | | | | | | | | | 1 4.0 |
| Eosinophilic Focus | | | | | | | X | | | | | | | | | | | 5 |
| Fatty Change | | 3 | 2 | 2 | 2 | | 2 | | 2 | 2 | | 3 | | 2 | 1 | 2 | | 51 2.1 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 0 |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 4 |
| | | 8 | 7 | 2 | 6 | 2 | 1 | 8 | 9 | 8 | 0 | 4 | 6 | 8 | 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 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | |
| * TOTALS | | | | | | | | | | | | | | | | | | |

| | |
|------------------------------------|---------|
| Mixed Cell Focus | 2 |
| Necrosis | 3 2 2.0 |
| Capsule, Fibrosis | 1 3.0 |
| Vein, Inflammation, Chronic Active | 3 1 3.0 |

| | | |
|--------------------------------------|---|-------|
| Mesentery | + | 9 |
| Artery, Inflammation, Chronic Active | 3 | 1 3.0 |
| Fat, Necrosis | | 8 2.5 |

| | | |
|-----------------------------------|-----------------------------|-------|
| Pancreas | + + + + + + + + + + + + + + | 88 |
| Infiltration Cellular, Lymphocyte | 1 | 2 1.5 |
| Artery, Inflammation, Chronic | | 1 2.0 |

| | | |
|-----------------------------------|-----------------------------|--------|
| Salivary Glands | + + + + + + + + + + + + + + | 90 |
| Infiltration Cellular, Lymphocyte | 2 2 | 67 1.6 |

| | | |
|----------------------|-----------------------------|----|
| Stomach, Forestomach | + + + + + + + + + + + + + + | 89 |
| Cyst, Squamous | | 1 |

| | | |
|--------------------|-----------------------------|----|
| Stomach, Glandular | + + + + + + + + + + + + + + | 88 |
|--------------------|-----------------------------|----|

| | | |
|---------------------------|-----|--------|
| Tooth | + + | 15 |
| Dysplasia | 2 2 | 15 2.4 |
| Inflammation, Suppurative | | 1 3.0 |

CARDIOVASCULAR SYSTEM

| | | |
|-----------------------|-----------------------------|-------|
| Aorta | + + + + + + + + + + + + + + | 88 |
| Inflammation, Chronic | | 1 3.0 |

| | |
|--------------|---|
| Blood Vessel | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

Inflammation, Chronic

1 3.0

Heart

91

Cardiomyopathy

6 1.0

Thrombus

1 4.0

Artery, Inflammation, Chronic Active

3 3.0

Endothelium, Hyperplasia

2 1.0

Intima, Vein, Hyperplasia

2 2.0

Myocardium, Infiltration Cellular, Lymphocyte

2 1.5

Myocardium, Inflammation, Chronic Active

1 1.0

Myocardium, Mineral

2 2.0

Valve, Inflammation, Chronic Active

1 1.0

Vein, Inflammation, Chronic Active

1 3.0

ENDOCRINE SYSTEM

Adrenal Cortex

89

Hemorrhage

1 2.0

Hyperplasia, Focal

3 2.3

Hypertrophy, Focal

8 1.8

Vacuolization Cytoplasmic, Focal

1 2.0

Bilateral, Hypertrophy, Focal

1 3.0

Subcapsular, Hyperplasia

73 1.8

Adrenal Medulla

89

Hyperplasia

1 3.0

Islets, Pancreatic

90

Hyperplasia

13 2.3

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:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | ANIMAL ID | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 9 | 3 | 3 | 3 | 4 | | | |
| | | 8 | 7 | 2 | 6 | 2 | 1 | 8 | 9 | 8 | 0 | 4 | 6 | 8 | 2 | 6 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 9 | | | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | | |
| | | | | | | | | | | | | | | | | | | * TOTALS | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Parathyroid Gland
Cyst | + | + | + | M | + | + | + | M | + | + | + | M | + | + | M | + | 57 | 1 |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | I | + | + | + | + | M | + | + | + | 84 | 1 |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Arteriole, Inflammation, Chronic Active
Epithelium, Follicle, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | 1 2.0
1 4.0
1 2.0 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| Tissue NOS | | | | | | | | | | | | | | | | | | 1 |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|--|
| Coagulating Gland
Cyst
Infiltration Cellular, Lymphocyte
Inflammation, Chronic | | | | | | | | | | | | | | | | | | 3 | 3
1 2.0
1 3.0 |
| Epididymis
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Mononuclear Cell
Artery, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 | 26 1.2
1 2.0
1 3.0 | |
| Preputial Gland
Atrophy
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | 1 3.0
40 1.5
3 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | | | |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----|-----|--|
| | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | 0738 | | | | |
| ANIMAL ID | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | 00930 | | | | |
| Bilateral, Duct, Dilation | | | | | | | | | | | | | | | | 2 | 4 | 2.5 | |
| Duct, Dilation | 3 | | | | | | | | | | | | | | | | 10 | 2.4 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 86 | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | 8 | 1.0 | |
| Arteriole, Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Dilation | | | | | | | | | | | | | | | | | 9 | 2.0 | |
| Bilateral, Dilation | | 2 | 2 | | | | | 3 | | 2 | 1 | | | 3 | | | 19 | 2.4 | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 | | | |
| Germ Cell, Degeneration | 2 | | | | | | | | | | | | | | | | 2 | 2.0 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Lymph Node | | | | | | | | | | | | + | + | | | 6 | | | |
| Iliac, Erythrophagocytosis | | | | | | | | | | | 2 | | | | | | 1 | 2.0 | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 | 2.5 | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 | 2.5 | |
| Lymph Node, Mandibular | + | M | M | + | M | + | + | + | + | + | + | + | I | M | + | 70 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | 3 | | | 1 | 3.0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 88 | | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hemorrhage | 2 | 1 | | | | | | | | 1 | | | | 2 | | | 21 | 1.5 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 3 | 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:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|-----------|------------|-------|--|
| | 0738 | 0737 | 0732 | 0736 | 0732 | 0731 | 0738 | 0739 | 0738 | 0730 | 0730 | 0734 | 0737 | 0738 | 0732 | | | | 0736 | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | |
| | 00930 | 00933 | 00933 | 00933 | 00934 | 00935 | 00936 | 00937 | 00938 | 00939 | 00940 | 00942 | 00943 | 00944 | 00945 | | | | 00947 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 7 | 2.0 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | 2 | | 2 | | | 7 | 2.3 | | |
| Hyperplasia, Lymphoid | | | | 1 | | | | | | | | | | | | | 4 | 2.3 | | |
| Thymus | + | + | I | M | I | + | M | + | + | M | M | + | I | + | + | + | 76 | | | |
| Atrophy | | | | | | | | | | | | 4 | | | | | 3 | 3.3 | | |
| Cyst | | | | | | | | | | X | | | | | X | X | 17 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 | 3.0 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | 1 | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 | | | |
| Ulcer | | | | | | | | | | | | | 4 | | | | 1 | 4.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 | | | |
| Degeneration | | | | | | | | | | | | | | | | | 1 | 1.0 | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | | | | | | | | | 1 | 1.0 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 91 | | | |
| Mineral | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | | 1 | 2 | 2 | 1 | 80 | 1.6 | | |
| Necrosis | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0738 | 0737 | 0732 | 0736 | 0732 | 0731 | 0738 | 0739 | 0732 | 0738 | 0730 | 0734 | 0736 | 0732 | 0734 | 0736 | |
| | ANIMAL ID | 00930 | 00933 | 00933 | 00933 | 00933 | 00933 | 00933 | 00933 | 00933 | 00933 | 00934 | 00934 | 00934 | 00934 | 00934 | 00935 | |
| 2.5 W/kg | | | | | | | | | | | | | | | | | | * TOTALS |

Artery, Meninges, Inflammation, Chronic Active 2 1.0

Brain Trigeminal Ganglion + + M + + + + + M + + M + + + 79

Nerve Trigeminal + M + + + M + M + + + + M M + M 57

Peripheral Nerve, Sciatic Axon, Degeneration + + + + + + + + + + + + + + 91 5 1.2

Spinal Cord Degeneration + + + + + + + + + + + + + + 91 1 2.0
Necrosis 1 1.0
Artery, Meninges, Inflammation, Chronic Active 2 1.0

RESPIRATORY SYSTEM

Lung + + + + + + + + + + + + + + 91
Hemorrhage 2 2 2.0
Infiltration Cellular, Histiocyte 5 2.2
Infiltration Cellular, Lymphocyte 1 2.0
Alveolar Epithelium, Hyperplasia, Focal 2 2 7 1.9

Nose + + + + + + + + + + + + + + 91
Respiratory Epithelium, Hyperplasia 3 1 3.0

Trachea + + + + + + + + + + + + + + 90

SPECIAL SENSES SYSTEM

Eye + + + + + + + + + + + + + + 91
Cornea, Edema 2 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

| | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 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 |
| | | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 9 | 3 | 3 | 3 | 4 | 6 | 6 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 9 | 9 |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 7 | 7 |
| * TOTALS | | | | | | | | | | | | | | | | | | | |

Cornea, Hyperplasia, Squamous, Diffuse 3 **1 3.0**

Harderian Gland **91**
 Hyperplasia, Focal **3 2.7**
 Infiltration Cellular, Lymphocyte **41 1.2**
 Mineral **1 3.0**

URINARY SYSTEM

Kidney **89**
 Infarct **6 1.5**
 Metaplasia, Osseous **8**
 Mineral **3 1.3**
 Nephropathy, Chronic Progressive **84 1.2**
 Artery, Inflammation, Chronic Active **1 3.0**
 Bilateral, Infarct **1 2.0**
 Glomerulus, Cyst **2**
 Interstitium, Infiltration Cellular, Lymphocyte **55 1.5**
 Renal Tubule, Cyst **11**
 Renal Tubule, Hyperplasia, Focal **1 1.0**
 Renal Tubule, Mineral **4 1.0**

Urinary Bladder **90**
 Infiltration Cellular, Lymphocyte **33 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 |
| 5 W/kg | ANIMAL ID | 3 | 3 | 3 | 5 | 3 | 2 | 7 | 3 | 4 | 0 | 6 | 3 | 3 | 3 | 2 | 7 | 2 | 3 | 3 | 3 | 2 | 9 | 3 | 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 |
| | | 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 |
| | | 0 | 0 | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| | 3 | 4 | 5 | 7 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 6 | |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder Cyst | + | + | + | + | + | A | + | + | A | + | A | + | M | + | + | + | + | + | A | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 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
Serosa, Inflammation, Granulomatous | + | + | + | + | + | A | A | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | X | X | | X | | | | | | X | X | | | | | X | | X | X | | | | X |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Fatty Change | 2 | 2 | 2 | | | | | | 2 | | | | | | 1 | | | | | | 3 | 2 | | | 2 |
| Infiltration Cellular, Lymphocyte
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

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 W/kg | ANIMAL ID | 3 | 3 | 3 | 5 | 3 | 2 | 7 | 3 | 4 | 0 | 6 | 3 | 3 | 2 | 7 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| | | 0 | 1 | 7 | 6 | 0 | 1 | 9 | 2 | 9 | 2 | 6 | 3 | 0 | 7 | 9 | 1 | 9 | 6 | 6 | 2 | 7 | 9 |
| | | 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 |
| | | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| | | 3 | 4 | 5 | 7 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mixed Cell Focus
Necrosis
Hepatocyte, Degeneration | | | | | | | | | | 2 | | 3 | 1 | 3 | | | | | | | | | | |
| Mesentery
Fat, Inflammation, Granulomatous
Fat, Necrosis | + | + | + | + | + | | | + | | | | | | | | | | + | | | | | + | |
| Pancreas
Infiltration Cellular, Lymphocyte | 3 | | 3 | | 3 | | | 3 | | | | | | | | | | | | | | | | 3 |
| Salivary Glands
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach
Inflammation, Acute
Epithelium, Hyperplasia, Focal | 1 | 1 | 1 | | 1 | | 2 | | 1 | | | 1 | 2 | | M | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular
Mineral | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Tooth
Dysplasia
Inflammation, Chronic Active | | | | | | | + | + | | | | | | | | | | | | | | | + | |

CARDIOVASCULAR SYSTEM

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | males
(cont...) |
| | ANIMAL ID | 0153 | 0154 | 0155 | 0156 | 0157 | 0158 | 0159 | 0160 | 0161 | 0162 | 0163 | 0164 | 0165 | 0166 | 0167 | 0168 | 0169 | 0170 | 0171 | 0172 | 0173 | 0174 | 0175 | |

| | | |
|--------------------------------------|---|---|
| Cardiomyopathy | 2 | 1 |
| Inflammation, Acute | 2 | |
| Inflammation, Chronic Active | | |
| Thrombus | 3 | |
| Artery, Inflammation, Chronic Active | | |
| Myocardium, Necrosis | 1 | |

ENDOCRINE SYSTEM

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

GENERAL BODY SYSTEM

NONE

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | 07030 | | |
| | ANIMAL ID | 01053 | 01054 | 01055 | 01056 | 01057 | 01058 | 01059 | 01060 | 01061 | 01062 | 01063 | 01064 | 01065 | 01066 | 01067 | 01068 | 01069 | 01070 | 01071 | 01072 | 01073 | 01074 | 01075 | | |
| 5 W/kg | | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) |

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | 3 | | | | 2 | | | | | | | |
| Myeloid Cell, 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 - 75
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | | | | | |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|---|---|--|
| | 0
7
3
0 | 0
7
3
1 | 0
7
3
7 | 0
6
5
6 | 0
7
3
0 | 0
7
2
1 | 0
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7
9 | 0
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3
2 | 0
6
4
9 | 0
7
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2 | 0
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3 | 0
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0 | 0
7
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7 | 0
5
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1 | 0
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9 | 0
7
3
6 | 0
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6 | 0
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3
6 | 0
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2
7 | 0
7
3
3 | | | | | | |
| | 0
1
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3 | 0
1
0
5
4 | 0
1
0
5
5 | 0
1
0
5
7 | 0
1
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5
9 | 0
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1
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6 | 0
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6
6 | 0
1
0
7
7 | 0
1
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7
7 | 0
1
0
7
7 | 0
1
0
7
7 | 0
1
0
7
7 | 0
1
0
7
7 | 0
1
0
7
7 | 0
1
0
7
8 | 0
1
0
7
9 | 0
1
0
8
0 | males
(cont...) | | | |
| Lymph Node | | | | | | | + | | | | | | | | | + | | | | | | | | | | | |
| Iliac, Hemorrhage | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Pigment | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | M | I | + | M | M | + | + | + | + | + | + | M | M | + | + | + | + | + | M | + | M | + | + | + | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | I | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | 1 | 1 | 1 | | | | | | | | 2 | | | | | 2 | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Infiltration Cellular, Histiocyte | | | | | 2 | | | | | | | | | 2 | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Extramedullary Hematopoiesis | | | 2 | | | | | 3 | | | 3 | 2 | | | 3 | 2 | | | | | 2 | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | |
| Atrophy | | | | | 3 | | | 3 | | | 2 | | | | | | | | | | 3 | | | | | | |
| Cyst | | | X | | | | | X | | | | | X | X | | | | X | X | | | | X | | | | |

INTEGUMENTARY 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

Mammary Gland M

Skin Ulcer Epidermis, Hyperplasia, Focal +

MUSCULOSKELETAL SYSTEM

Bone Fibro-Osseous Lesion +

Skeletal Muscle Infiltration Cellular, Lymphocyte Inflammation, Acute + 2

NERVOUS SYSTEM

Brain Mineral Artery, Meninges, Inflammation, Chronic Active Meninges, Inflammation, Chronic + 2 2 1 2 2 2 2 1 1 2 2 1 1 1 2 2 1 2 1

Brain Trigeminal Ganglion +

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

Peripheral Nerve, Sciatic Axon, Degeneration + 1

Spinal Cord Necrosis +

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| 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 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B6C3F1 MICE MALE | | 3 | 3 | 3 | 5 | 3 | 2 | 7 | 3 | 4 | 0 | 6 | 3 | 3 | 3 | 2 | 7 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | |
| | | 0 | 1 | 7 | 6 | 0 | 1 | 9 | 2 | 9 | 2 | 6 | 3 | 0 | 7 | 9 | 1 | 9 | 6 | 6 | 7 | 2 | 7 | 9 | |
| | 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 | |
| | | 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 | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | |
| | | 3 | 4 | 5 | 7 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |

Artery, Meninges, Inflammation, Chronic Active

1

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Eye | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Sclera, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | 1 | | | 1 | | | | 1 | | 1 | 2 | | 2 | 1 | 1 | 2 | | | 1 1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | 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

| 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 | males
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | ANIMAL ID | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 5 | 3 | 2 | 7 | 3 | 4 | 0 | 6 | 3 | 3 | 3 | 2 | 7 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | |
| | | 0 | 1 | 7 | 6 | 0 | 1 | 9 | 2 | 9 | 2 | 6 | 3 | 0 | 7 | 9 | 1 | 9 | 6 | 6 | 7 | 2 | 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 | |
| | | 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 | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | |
| | | 3 | 4 | 5 | 7 | 9 | 0 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Nephropathy, Chronic Progressive
Bilateral, Bacteria | | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Bilateral, Inflammation, Acute
Interstitial, Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | 1 | 1 | | | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| Papilla, Bacteria | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 | |
| Papilla, Inflammation, Acute | | | | | | | | | | 2 | | | | | | | | | | | | | | 2 | |
| Renal Tubule, Cyst | | | X | | | | | | | | | | | X | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ureter | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | 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:
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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | males
(cont...) |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 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 | 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 | |
| | | 0 | 0 | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Cardiomyopathy
 Inflammation, Acute
 Inflammation, Chronic Active
 Thrombus
 Artery, Inflammation, Chronic Active
 Myocardium, Necrosis

2

2

ENDOCRINE SYSTEM

Adrenal Cortex
 Hyperplasia, Focal
 Bilateral, Hyperplasia, Focal
 Subcapsular, Hyperplasia

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

Adrenal Medulla

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

Islets, Pancreatic
 Hyperplasia

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

Parathyroid Gland

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

Pituitary Gland
 Pars Distalis, Cyst

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | X | | | | | | | | | | | | | | | | | | |

Thyroid Gland
 Infiltration Cellular, Lymphocyte

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

GENERAL BODY SYSTEM

NONE

* .. 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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2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

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Cell Phone Radiation: CDMA

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

Lab: IIT

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

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Granuloma Sperm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | 2 | | | | 1 | | 1 | 1 | 1 | 1 | | | | | | 1 | | | | | | | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | 2 | | | 1 | | 2 | | 2 | | | 2 | | | | 2 | | 1 | 1 | | 2 | 1 | | 2 | 2 | | |
| Inflammation, Chronic Active | 4 | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Bilateral, Duct, Dilation | | | | | | | 3 | | | | | | | | 2 | 2 | | | | | | | | 2 | | | | |
| Duct, Dilation | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Dilation | | | | | | | | | | | | | | | 2 | | | | | | 2 | 2 | | | | | | |
| Bilateral, Dilation | | | | 2 | | | 2 | | | 2 | | 3 | | | 2 | | 3 | | | | | | | | | | | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bilateral, Germinal Epithelium, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | M | + | + | + |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | males (cont...) | |
| | | 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 | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 2 | 3 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 9 | |

Lymph Node
 Iliac, Hemorrhage
 Iliac, Hyperplasia, Lymphoid
 Iliac, Pigment
 Mediastinal, Hyperplasia, Lymphoid
 Renal, Pigment

Lymph Node, Mandibular
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte

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

Spleen
 Extramedullary Hematopoiesis
 Hyperplasia, Lymphoid

Thymus
 Atrophy
 Cyst

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+ +

+ +

+ + + + + + | + + + + + + + + + + + + + + + +

X X X X X X X X X X X

INTEGUMENTARY 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 - 75
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 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 | |
| | | 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 | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| | | 2 | 3 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 9 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mineral | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | | 2 | 2 | 1 | 1 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meninges, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | |
| Nerve Trigeminal | M | M | + | M | + | M | + | + | + | + | M | M | M | M | M | + | + | M | + | M | + | M | + | M | |
| Peripheral Nerve, Sciatic | + | I | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Axon, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| DAY ON TEST | B6C3F1 MICE MALE | | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|
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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 | 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 | 2 |

Artery, Meninges, Inflammation, Chronic Active

1

1

1

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sclera, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | 1 | | | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0729 | 0733 | 0730 | 0733 | 0734 | 0739 | 0732 | 0731 | 0733 | 0733 | 0730 | 0732 | 0737 | 0733 | 0733 | 0732 | 0733 | 0733 | 0736 | 0735 | 0733 | 0738 | 0737 | 0733 | |
| | ANIMAL ID | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|---|
| Mixed Cell Focus Necrosis Hepatocyte, Degeneration | X | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery Fat, Inflammation, Granulomatous Fat, Necrosis | | + | | | | | | + | | | | + | + | | | | | | | | | | | | | | |
| Pancreas Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| Salivary Glands Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Stomach, Forestomach Inflammation, Acute Epithelium, Hyperplasia, Focal | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular Mineral | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 |
| Tooth Dysplasia Inflammation, Chronic Active | | + | | | | | | | | | | | + | | | | | | | | | | | + | + | 2 3 3 2 | |

CARDIOVASCULAR SYSTEM

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

* .. 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 - 75

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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Time Report Requested: 14:32:42

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Cardiomyopathy | 1 | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 2 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 3 |
| Myocardium, Necrosis | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

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

GENERAL BODY SYSTEM

NONE

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: CDMA
CAS Number: CELLPRADCMDA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
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 | |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| 5 W/kg | ANIMAL ID | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 5 | 3 | 3 | 3 | 3 |
| | | 9 | 3 | 0 | 8 | 0 | 9 | 2 | 1 | 8 | 2 | 0 | 4 | 6 | 2 | 0 | 9 | 3 | 1 | 6 | 9 | 3 | 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 |
| | | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 |

**males
(cont...)**

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

| | |
|--------------------------------|---|
| Bone Marrow | + |
| Hypercellularity | |
| Myeloid Cell, Hypercellularity | |

* .. 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 | 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...) | |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|
| | | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | | | |
| | | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | | | |
| | | 9 | 3 | 0 | 8 | 0 | 9 | 2 | 1 | 8 | 2 | 0 | 4 | 6 | 2 | 0 | 9 | 3 | 1 | 6 | 9 | 3 | 3 | 8 | 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 | | | |
| | | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 9 | | |
| Lymph Node | | | | | + | | | | | | | | | | + | | | | | | | | | | + | | | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | M | + | + | + | + | + | + | + | M | M | M | + | M | + | M | + | M | + | M | M | + | + | + | + | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | 2 | | | 2 | | | 2 | | | | | | 2 | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | | | | | | 2 | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Extramedullary Hematopoiesis | | 2 | | | | | | | | | | | 2 | | | 3 | 2 | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | + | + | + | + | M | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | M | + | + | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | X | | | | | | | | X | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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
Ulcer
Epidermis, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle
Infiltration Cellular, Lymphocyte
Inflammation, Acute | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain
Mineral
Artery, Meninges, Inflammation, Chronic Active
Meninges, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain Trigeminal Ganglion | + | + | + | M | M | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Nerve Trigeminal | + | M | + | M | M | + | M | M | M | + | + | M | + | M | + | M | + | M | M | + | M | M | M | M | M | + |
| Peripheral Nerve, Sciatic
Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord
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
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | ANIMAL ID | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| | | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | | |
| 5 W/kg | | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 0 | | |
| | | 9 | 3 | 0 | 8 | 0 | 9 | 2 | 1 | 8 | 2 | 0 | 0 | 4 | 6 | 2 | 0 | 9 | 3 | 1 | 6 | 9 | 3 | 8 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | males | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 9 | 0 | (cont...) |

Artery, Meninges, Inflammation, Chronic Active

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | 4 | | | | | | | | | | | | | | | | | | | | |
| Sclera, Inflammation, Acute | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | 1 | | | | 1 | 2 | | | 1 | | | | 1 | | 2 | 2 | 1 | | 1 | | 2 | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | 2 | | | | | | 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

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 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | ANIMAL ID | |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| | | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | | |
| 5 W/kg | | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | | |
| | | 9 | 3 | 0 | 8 | 0 | 9 | 2 | 1 | 8 | 2 | 0 | 4 | 6 | 2 | 0 | 9 | 3 | 1 | 6 | 9 | 3 | 3 | 8 | 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 | | |
| | | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

Metaplasia, Osseous

X

Mineral

Nephropathy, Chronic Progressive

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

Bilateral, Bacteria

Bilateral, Inflammation, Acute

Interstitial, Infiltration Cellular, Lymphocyte

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

Papilla, Bacteria

Papilla, Inflammation, Acute

Renal Tubule, Cyst

Renal Tubule, Mineral

X

X

1

Ureter

Inflammation, Chronic Active

Urinary Bladder

Infiltration Cellular, Lymphocyte

+
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 |
| 5 W/kg | | 8 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 8 | 2 | 3 | 8 | 3 | 3 | |
| | | 9 | 1 | 1 | 6 | 9 | 1 | 7 | 1 | 8 | 8 | 5 | 3 | 7 | 3 | |
| | ANIMAL ID | 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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 89 |
| Gallbladder
Cyst | + | + | + | M | + | + | + | M | + | M | + | + | + | + | + | 75
1 |
| Intestine Large, Cecum | A | + | + | A | + | + | + | + | + | A | + | + | + | + | + | 81 |
| Intestine Large, Colon | + | + | + | A | + | + | + | + | M | A | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | 85 |
| Intestine Small, Duodenum | M | + | + | A | + | + | + | + | + | M | + | + | + | + | + | 81 |
| Intestine Small, Ileum
Peyer's Patch, Hyperplasia, Lymphoid | A | + | + | A | + | + | + | + | + | A | + | + | + | + | + | 83
1 3.0 |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid
Serosa, Inflammation, Granulomatous | A | + | + | A | + | + | + | + | + | A | + | + | + | + | + | 81
2 4.0
1 2.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Angiectasis | | | | | | | | 3 | | | | | | | | 1 3.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | 3 |
| Clear Cell Focus | | | | | | | | | | | X | | | | X | 35 |
| Eosinophilic Focus | | | | X | | | | | | | | | | | | 2 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | 1 2.0 |
| Fatty Change | | | | 2 | | | | | | 2 | | 2 | | 3 | 2 | 26 2.0 |
| Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 1.0
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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|------------|
| | 0689 | 0731 | 0731 | 0726 | 0779 | 0771 | 0771 | 0771 | 0588 | 0678 | 0758 | 0753 | 0773 | 0773 | 0773 | | |
| ANIMAL ID | 01140 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | | |
| Mixed Cell Focus
Necrosis
Hepatocyte, Degeneration | | | | | | | | | | | | | | | | 3
9
1 | 1.9
3.0 |
| Mesentery
Fat, Inflammation, Granulomatous
Fat, Necrosis | | | | | | | | | | + | + | | + | | | 18
1
14 | 2.0
2.8 |
| Pancreas
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 88
2 | 2.0 |
| Salivary Glands
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 89
68 | 1.4 |
| Stomach, Forestomach
Inflammation, Acute
Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | 86
1
3 | 2.0
2.3 |
| Stomach, Glandular
Mineral | | | | | | | | | | | | | | | | 87
2 | 1.0 |
| Tooth
Dysplasia
Inflammation, Chronic Active | | | | | | | | | | | | | | | | 17
16
1 | 2.5
3.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|
| Aorta | | | | | | | | | | | | | | | | 90 |
| Heart
Bacteria | | | | | | | | | | | | | | | | 90
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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | ANIMAL ID | |
|----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | | |
| | | 8 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 8 | 2 | 3 | 8 | 3 | 3 | 3 | | |
| | | 9 | 1 | 1 | 6 | 9 | 1 | 7 | 1 | 8 | 8 | 5 | 3 | 7 | 3 | | | |
| | | 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 | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | | |
| * TOTALS | | | | | | | | | | | | | | | | | | |

| | | | |
|--------------------------------------|---|---|-----|
| Cardiomyopathy | 2 | 6 | 1.7 |
| Inflammation, Acute | | 1 | 2.0 |
| Inflammation, Chronic Active | | 1 | 2.0 |
| Thrombus | | 1 | 3.0 |
| Artery, Inflammation, Chronic Active | | 1 | 3.0 |
| Myocardium, Necrosis | | 1 | 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Hyperplasia, Focal | | | | | | | | | | | | | 3 | | | 3 | 2.7 |
| Bilateral, Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 | 2.0 |
| Subcapsular, Hyperplasia | 1 | 2 | | | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 74 | 1.7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Hyperplasia | | | 2 | | | | | | | 2 | | 2 | | | 3 | 14 | 2.1 |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | 66 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | 1 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 | 1.0 |

GENERAL BODY SYSTEM

NONE

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 |
| 5 W/kg | ANIMAL ID | 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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | 5 |
| * TOTALS | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|------------|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Granuloma Sperm | | | | | | | | | | | | | | | 2 | | 2 | 2.0 | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | 2 | 1 | | | | | | | 1 | 1 | 1 | | 26 | 1.1 |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Preputial Gland | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 89 | | | |
| Infiltration Cellular, Lymphocyte | | 2 | | 2 | | 2 | | | 1 | | | | | | 1 | 1 | | 39 | 1.6 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 3 | 3.7 |
| Bilateral, Duct, Dilation | | | | | | | | | | | | | | | | | | 5 | 2.4 |
| Duct, Dilation | | | | | | | 3 | | | | | | | | | | | 5 | 2.6 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 | | 10 | 1.2 | |
| Inflammation, Acute | | | | | | | | | 2 | | | | | | | | 1 | 2.0 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Dilation | | | | | | | | | | | | | | | | | 4 | 2.0 | |
| Bilateral, Dilation | | | | 2 | | | | 3 | | 3 | 3 | 3 | 2 | | 2 | | 26 | 2.3 | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | | |
| Bilateral, Germinal Epithelium, Atrophy | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Germ Cell, Degeneration | | | 2 | | | | | | | | | | | | | | 4 | 2.0 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Hypercellularity | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | | 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|
| | 0689 | 0731 | 0731 | 0726 | 0772 | 0773 | 0777 | 0777 | 0538 | 0628 | 0723 | 0538 | 0733 | 0733 | 0733 | | |
| ANIMAL ID | 01140 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | | |
| Lymph Node | | | | | + | + | | | | | | | | | + | 11 | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | 1 | 1.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | 2 | 2 | | | | | | | | | | 4 | 2.0 |
| Iliac, Pigment | | | | | 2 | 2 | | | | | | | | | | 2 | 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal, Pigment | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 63 | |
| Hemorrhage | | | | | | | | | | | | | | | | 1 | 1.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 | 3.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hemorrhage | | | | 3 | | | | | | | | | | | | 16 | 1.8 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | 1 | | | 5 | 1.8 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 1 | | | 5 | 2.4 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 | 3.0 |
| Spleen | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Extramedullary Hematopoiesis | 2 | | | | | 1 | 3 | | | | | | 2 | | | 21 | 2.3 |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | | | 3 | 2.3 |
| Thymus | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 80 | |
| Atrophy | | | | 4 | | | | | 3 | 3 | | | | | | 8 | 3.0 |
| Cyst | | | | | | | | X | X | | | | | | X | 19 | |

INTEGUMENTARY 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----|-----|
| | 0689 | 0731 | 0731 | 0726 | 0729 | 0731 | 0737 | 0731 | 0731 | 0588 | 0688 | 0738 | 0585 | 0733 | 0737 | | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | |
| | 01140 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | | |
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Ulcer | 4 | | | | | | | | | | | | | | | | 2 | 3.5 |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 | 3.0 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 2.0 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Mineral | 1 | 2 | | 1 | 1 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 1 | 1 | | 77 | 1.6 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 3 | 1.3 |
| Meninges, Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Brain Trigeminal Ganglion | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 80 | |
| Nerve Trigeminal | + | M | M | M | + | + | M | M | + | + | M | + | M | + | M | | 43 | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Axon, Degeneration | | | | | | 1 | | | | | | | | | | | 4 | 1.3 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Necrosis | | | | | | | | | | | | | | | | | 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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2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 |
| 5 W/kg | | 8 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 8 | 2 | 3 | 8 | 3 | 3 | |
| | | 9 | 1 | 1 | 6 | 9 | 1 | 7 | 1 | 8 | 8 | 5 | 3 | 3 | 7 | 3 |
| | ANIMAL ID | 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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | |

Artery, Meninges, Inflammation, Chronic Active

4 1.0

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Congestion | | | | | | | | | | | | | | | | | 3 2.7 |
| Hemorrhage | | | | | | | | | | | | | | | | | 4 1.5 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 3 2.0 |
| Infiltration Cellular, Lymphocyte | | | 2 | | | | | | | | | | | | | | 3 2.0 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | 2 | | | | | | | | | | 8 1.8 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Atrophy | | | | | | | | | | | | | | | | | 1 4.0 |
| Sclera, Inflammation, Acute | | | | | | | | | | | | | | | | | 1 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | 2 | 1 | 2 | 2 | | 1 | 1 | | | 1 | | | 40 1.3 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Infarct | | | | | | | | | | | | | 1 | | | | 11 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|----------|-----------------|
| | 0689 | 0731 | 0731 | 0726 | 0722 | 0731 | 0737 | 0731 | 0588 | 0678 | 0528 | 0785 | 0733 | 0737 | 0733 | | |
| ANIMAL ID | 01140 | 01141 | 01142 | 01143 | 01144 | 01145 | 01146 | 01147 | 01148 | 01149 | 01150 | 01151 | 01152 | 01153 | 01154 | 01155 | |
| Metaplasia, Osseous Mineral | | | X | | | | | | | | | | | | | | 3
1 1.0 |
| Nephropathy, Chronic Progressive Bilateral, Bacteria | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | | 81 1.1 |
| Bilateral, Inflammation, Acute Interstitium, Infiltration Cellular, Lymphocyte Papilla, Bacteria | | | | | | | | | X
3 | | | | | | | | 1
1 3.0 |
| Papilla, Inflammation, Acute Renal Tubule, Cyst | 2 | 1 | 1 | | 1 | 2 | 2 | | | | 2 | | 1 | | | | 57 1.4 |
| Renal Tubule, Mineral | | | | | | | | | | | | | X | | | | 1
7
4 1.0 |
| Ureter Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1
1 3.0 |
| Urinary Bladder Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
39 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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Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|------|------|------|------|------|------|------|
| B6C3F1 MICE MALE | DAY ON TEST | 0729 | 0731 | 0729 | 0675 | 0778 | 0773 | 0773 | 0773 | 0674 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0676 | 0776 | 0777 | 0676 | 0776 | 0777 | 0677 | 0777 | 0677 | 0777 | 0677 | 0777 | 0677 | 0777 | 0677 | 0777 | 0677 | 0777 |
| | ANIMAL ID | 0161 | 0111 | 0066 | 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 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |
| 10 W/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) | | | | | | | |

ALIMENTARY SYSTEM

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

* .. 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 - 75

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CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) | | | |
|--------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|------|------|----|
| | 0729 | 0731 | 0732 | 0735 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | 0757 | 0758 | | 0759 | 0760 | |
| 10 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | 27 | 28 | 29 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | 2 | | | 2 | | | | | | 3 | 2 | | | | | | 2 | | | | | | | | | | | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | + | + | | | | | + | + | | | | | | | | | | | | | |
| Artery, Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | 3 | 3 | | | | | | 2 | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | |
| | | 2 | 3 | 2 | 0 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 2 | 2 | 3 | 2 | 7 | 3 | 3 | 5 | 3 | 3 | 8 | 3 | 3 | |
| 10 W/kg | ANIMAL ID | 9 | 1 | 9 | 5 | 8 | 1 | 3 | 3 | 4 | 6 | 3 | 9 | 0 | 8 | 2 | 1 | 0 | 6 | 2 | 3 | 3 | 1 | 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 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | | |
| | | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | 1 | | | 1 | | | | | | 1 | 1 | | | 1 | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

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

* .. 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
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BLANK .. Not examined microscopically
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0
7
2
9 | 0
7
3
1 | 0
7
2
9 | 0
6
0
5 | 0
7
3
8 | 0
7
3
1 | 0
7
3
3 | 0
7
3
3 | 0
6
6
4 | 0
7
3
3 | 0
7
2
9 | 0
7
2
3 | 0
7
2
3 | 0
7
2
0 | 0
4
7
8 | 0
7
3
2 | 0
7
3
1 | 0
6
5
6 | 0
7
3
2 | 0
7
3
3 | 0
6
8
1 | 0
7
3
8 | 0
7
3
8 | 0
7
3
0 | males
(cont...) | |
| | ANIMAL ID | 0
1
2
6
1 | 0
1
2
6
2 | 0
1
2
6
3 | 0
1
2
6
4 | 0
1
2
6
5 | 0
1
2
6
7 | 0
1
2
6
8 | 0
1
2
6
0 | 0
1
2
6
1 | 0
1
2
6
2 | 0
1
2
6
3 | 0
1
2
6
4 | 0
1
2
6
5 | 0
1
2
6
6 | 0
1
2
6
7 | 0
1
2
6
8 | 0
1
2
6
9 | 0
1
2
6
0 | 0
1
2
6
1 | 0
1
2
6
2 | 0
1
2
6
3 | 0
1
2
6
4 | 0
1
2
6
5 | 0
1
2
6
6 | | 0
1
2
6
7 |

Pars Distalis, Cyst

X

Thyroid Gland

+ +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland
Cyst

+
X

Epididymis
Infiltration Cellular, Lymphocyte

+
1 1

Preputial Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Bilateral, Inflammation, Chronic Active
Bilateral, Duct, Dilation
Duct, Dilation
Duct, Inflammation, Chronic Active

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

Prostate
Infiltration Cellular, Lymphocyte

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

Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation

+
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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Time Report Requested: 14:32:42

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...) |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | | |
| | ANIMAL ID | 2 | 3 | 2 | 0 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 5 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | |
| | | 9 | 1 | 9 | 5 | 8 | 1 | 3 | 3 | 4 | 6 | 3 | 9 | 0 | 9 | 8 | 2 | 1 | 0 | 6 | 2 | 3 | 1 | 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 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | |
| | | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Germ Cell, Degeneration | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Seminiferous Tubule, Necrosis | | | | | | | | | | | | 3 | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---|--|--|--|--|--|---|--|---|---|--|--|--|--|--|--|--|--|--|
| Lymph Node | | | | | | + | | | | | | | | + | + | | | | | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular | M | + | M | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Erythrophagocytosis | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | 1 | 4 | | | | | 3 | | | | | | | | | | | | | | | 2 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | 2 | | 3 | | | | | | | | | 2 |
| Infiltration Cellular, Histiocyte | | | | | | 3 | | | | | | | | | | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spleen | + | + | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Extramedullary Hematopoiesis | | | | | | | | | 2 | | | 3 | 2 | | 2 | | | | 2 | | | 2 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 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 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | | 7 | 7 | 7 |
| | 2 | 3 | 2 | 0 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 2 | 2 | 3 | 2 | 7 | 3 | 3 | 5 | 3 | 3 | 8 | 3 | 3 | | |
| | 9 | 1 | 9 | 5 | 8 | 1 | 3 | 3 | 4 | 6 | 3 | 9 | 3 | 0 | 9 | 8 | 2 | 1 | 0 | 6 | 2 | 3 | 1 | 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 | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | | |
| | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus | | + | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | M | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | X | | X | | | | | X | | | X | | | | | X | 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 | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | 2 | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Increased Bone | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineral | | | 1 | 2 | 2 | 2 | 1 | 1 | | 2 | 1 | 1 | 1 | 2 | 2 | | 2 | 1 | 2 | 2 | 1 | 1 | | 2 | 2 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | | + | + | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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...) |
|-----------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0731 | 0732 | 0735 | 0738 | 0741 | 0743 | 0747 | 0750 | 0753 | 0756 | 0759 | 0801 | 0804 | 0807 | 0810 | 0813 | 0816 | 0819 | 0822 | 0825 | 0828 | 0831 | 0834 | | |
| | 0 | 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 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | |
| | 2 | 3 | 2 | 0 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 2 | 2 | 3 | 2 | 7 | 3 | 3 | 3 | 5 | 3 | 3 | 8 | 3 | 3 | |
| | 9 | 1 | 9 | 5 | 8 | 1 | 3 | 3 | 4 | 6 | 3 | 9 | 3 | 0 | 9 | 8 | 2 | 1 | 0 | 6 | 2 | 3 | 3 | 8 | 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 | |
| | 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 | |
| | 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 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | |
| | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nerve Trigeminal | M | + | M | + | + | + | M | + | + | + | + | + | M | + | + | + | M | + | + | + | M | + | + | + | |
| Peripheral Nerve, Sciatic Inflammation, Chronic Active Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I |
| Spinal Cord Squamous Cyst Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung Congestion Hemorrhage Infiltration Cellular, Histiocyte Infiltration Cellular, Mononuclear Cell Inflammation, Granulomatous Alveolar Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Nose Respiratory Epithelium, Accumulation, Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye Atrophy Bilateral, Cornea, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | |
| | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | | | 6 | 7 | 7 |
| | 2 | 3 | 2 | 0 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 2 | 2 | 3 | 2 | 7 | 3 | 3 | 5 | 3 | 3 | 8 | 3 | 3 | |
| | 9 | 1 | 9 | 5 | 8 | 1 | 3 | 3 | 4 | 6 | 3 | 2 | 3 | 0 | 9 | 8 | 2 | 1 | 0 | 6 | 2 | 3 | 1 | 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 |
| | 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 |
| | 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 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 6 | 8 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

Bilateral, Iris, Synechia

Harderian Gland
 Infiltration Cellular, Lymphocyte

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

URINARY SYSTEM

Kidney
 Infarct
 Metaplasia, Osseous
 Mineral
 Nephropathy, Chronic Progressive
 Bilateral, Infarct
 Bilateral, Renal Tubule, Pigment
 Glomerulus, Cyst
 Interstitium, Infiltration Cellular, Lymphocyte
 Interstitium, Inflammation, Acute
 Pelvis, Dilatation
 Pelvis, Inflammation, Acute
 Renal Tubule, Cyst
 Renal Tubule, Mineral

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

Urinary Bladder
 Infiltration Cellular, Lymphocyte

+ + + A +
 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

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Date Report Requested: 08/24/2017

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Lab: IIT

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

ALIMENTARY SYSTEM

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

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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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6 | 0
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1 | 0
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1 | 0
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4 | 0
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7 | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | 3 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 2 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | 2 |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | + |
| Artery, Thrombus | | | | | | | | | | | | | | | | | | | | | | 3 |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 3 3 2 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | + |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | 1 X 1 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 2 2 1 2 1 2 2 1 1 2 1 2 2 1 2 1 2 1 2 1 1 1 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | X |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | + |
| Tooth | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | + |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0737 | 0638 | 0729 | 0732 | 0778 | 0771 | 0743 | 0777 | 0777 | 0777 | 0575 | 0777 | 0777 | 0777 | 0676 | 0777 | 0777 | 0474 | 0666 | 0777 | 0777 | 0777 | males
(cont...) |
| | ANIMAL ID | 01191 | 01122 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | 01199 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | | 2 | | | 1 | | 4 | | 1 | | 2 | 2 | | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | + | + | + | + | M | + | + | + | M | + | + | M | M | + | + | + | + | M | + | + | M |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 7 |
| 10 W/kg | ANIMAL ID | 3 | 3 | 2 | 3 | 3 | 9 | 3 | 2 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 2 | 3 | 6 | 8 | 3 | 3 | 3 | 3 |
| | | 7 | 8 | 9 | 2 | 8 | 1 | 6 | 3 | 9 | 0 | 5 | 2 | 1 | 8 | 6 | 1 | 2 | 1 | 9 | 9 | 1 | 4 | 7 | 3 | 0 | 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 |
| | | 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 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | males (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | |

Pars Distalis, Cyst

Thyroid Gland

+ +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland
Cyst

Epididymis
Infiltration Cellular, Lymphocyte

+
1 1

Preputial Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Bilateral, Inflammation, Chronic Active
Bilateral, Duct, Dilation
Duct, Dilation
Duct, Inflammation, Chronic Active

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

Prostate
Infiltration Cellular, Lymphocyte

+
1 1

Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, 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
BLANK .. Not examined microscopically

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

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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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7 |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Germ Cell, Degeneration | | | | | | | | | | | | | 2 | | | | 2 | | | 1 | | | | 2 | | |
| Seminiferous Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypercellularity | | | | | | | | | | | | | | | | | 2 | | | | | | | | 3 | |
| Lymph Node | | | | | | | | | | | | | + | | | | | | | | | | | | + | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | M | + | M | M | I | + | M | + | M | I | + | + | M | + | + | + | + | M | + | M | + | M | + | |
| Hemorrhage | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | 1 | | 2 | | 2 | | | | | | | 1 | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | 2 | | | | | 2 | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | | 2 | | | | | | | | | | | | | | 3 | | | | | 2 | | | 3 | | |
| Hyperplasia, Lymphoid | 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

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1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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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| 10 W/kg | 0
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|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus Atrophy | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + |
| Cyst | | | X | | | | | X | X | X | | | | | | | | | | | | | | | | |
| Hemorrhage | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |

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 Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Increased Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Mineral | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Artery, Meninges, Inflammation, Chronic Active | 2 | 1 | 1 | | 1 | 2 | | 1 | 2 | 1 | 1 | 2 | 1 | 1 | | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | | |
| 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

1-4 .. Lesion qualified as:

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2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

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

10 W/kg | DAY ON TEST | 0
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8 | 0
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| | ANIMAL ID | 0
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males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nerve Trigeminal | M | + | M | M | + | M | + | M | M | + | + | + | M | M | + | + | M | M | + | + | + | + | M | + | + | |
| Peripheral Nerve, Sciatic
Inflammation, Chronic Active
Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | 3 |
| Spinal Cord
Squamous Cyst
Artery, Meninges, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Congestion
Hemorrhage
Infiltration Cellular, Histiocyte
Infiltration Cellular, Mononuclear Cell
Inflammation, Granulomatous
Alveolar Epithelium, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 |
| Nose
Respiratory Epithelium, Accumulation, Hyaline
Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Atrophy
Bilateral, Cornea, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | | |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 |
| | | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 3 | 3 |
| 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 |
| | | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 8 | 9 | 1 | 2 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 |
| males (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | |

Mineral
Mixed Cell Focus
Necrosis
Bile Duct, Cyst
Capsule, Fibrosis

3

X

Mesentery
Artery, Inflammation, Chronic Active
Artery, Thrombus
Fat, Inflammation, Granulomatous
Fat, Necrosis

+
+
+
+ +

Pancreas
Infiltration Cellular, Lymphocyte
Duct, Cyst

+ + M +
+
+ +

Salivary Glands
Infiltration Cellular, Lymphocyte

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

Stomach, Forestomach
Cyst, Squamous
Ulcer
Epithelium, Hyperplasia, Diffuse

+
+
+
+ +

Stomach, Glandular

+ + A +

Tooth
Dysplasia
Inflammation, Chronic Active

+
3 3 3 3 3 2 2 2 3 4 4 3 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | 1 | | | | 1 | | | | | | | | | | | | 2 | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Mineral | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | |
| Hyperplasia, Focal | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | 2 | 1 | | 2 | 1 | 1 | 2 | | 1 | 1 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | |
| Islets, Pancreatic | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | 2 | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | M | M | + | + | M | M | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

Pars Distalis, Cyst

Thyroid Gland

+ + A I I + + + + + + + + + + + + + + + + + +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland
Cyst

Epididymis
Infiltration Cellular, Lymphocyte

+
1 2

Preputial Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Bilateral, Inflammation, Chronic Active
Bilateral, Duct, Dilation
Duct, Dilation
Duct, Inflammation, Chronic Active

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

Prostate
Infiltration Cellular, Lymphocyte

+ + A +
1 1

Seminal Vesicle
Dilation
Inflammation, Chronic Active
Bilateral, Dilation

+
2 3 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

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Experiment Number: 20105 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 |
| | | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 |
| 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 |
| | | 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 |
| | | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 8 | 9 | 1 | 2 | 4 | 5 | 7 | 8 | 0 | 1 | 2 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Germ Cell, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminiferous Tubule, Necrosis | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular | M | M | + | + | + | + | + | M | M | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spleen | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Cyst | | X | | | | | | | X | | | | X | | | | | | | | 4 | | | |
| 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 |
| Skin Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Increased Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | 2 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Mineral | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Artery, Meninges, Inflammation, Chronic Active | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | | 2 | | 1 | 2 | 1 | 2 | 2 | 2 | 2 | | | 2 | 1 | 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
 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 4 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 10 W/kg | | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 1 | 6 | 4 | 8 | 7 | 8 | 6 | 7 | 2 | 8 | 0 | 0 | 6 | |
| | ANIMAL ID | 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 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Gallbladder | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | 76 |
| Intestine Large, Cecum | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | 80 |
| Intestine Large, Colon | + | + | + | A | M | + | A | + | + | + | + | + | + | + | + | 81 |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 85 |
| Intestine Small, Duodenum | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | 80 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 3.0 |
| Intestine Small, Ileum | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | 81 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 3 2.3 |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 82 |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 3 2.7 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Basophilic Focus | | | | | | | | | X | | | | | | | 2 |
| Clear Cell Focus | | | X | | X | X | | | X | X | X | | X | | X | 31 |
| Eosinophilic Focus | | | | | | | | | | X | | | | | | 5 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | 2 2.0 |
| Fatty Change | | | 2 | | 2 | 3 | | | 2 | 3 | 2 | | | 3 | | 33 2.3 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 3 1.7 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Focal | | | | | | | | | | | | | | | | 1 1.0 |
| Metaplasia | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | 0
7
3
6 | 0
7
3
1 | 0
4
1
6 | 0
6
3
4 | 0
7
3
8 | 0
7
3
7 | 0
5
1
8 | 0
7
3
6 | 0
7
3
7 | 0
7
3
2 | 0
7
3
8 | 0
7
3
0 | 0
7
3
0 | 0
7
3
6 | 0
7
3
2 | |
| ANIMAL ID | 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 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| Mineral | | | | | | | | | | | | | | | | 1 3.0 |
| Mixed Cell Focus | | | | | X | | | | | | | | | | | 1 |
| Necrosis | | | | | | | | | | | | | | | | 10 2.2 |
| Bile Duct, Cyst | | | | | | | | | | | | | | | | 1 |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | 1 2.0 |
| Mesentery | | | | | | + | | | | | | | + | + | | 16 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 3.0 |
| Artery, Thrombus | | | | | | | | | | | | | | | | 1 3.0 |
| Fat, Inflammation, Granulomatous | | | | | | | | | | | | | | | | 1 2.0 |
| Fat, Necrosis | | | | | 3 | | | | | | | | 3 | 3 | | 12 2.8 |
| Pancreas | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 88 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 4 1.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | 1 | | 1 | 2 | 1 | 2 | 1 | | | | 61 1.4 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Cyst, Squamous | | | | | | | | | | | | | | | | 3 |
| Ulcer | | | | | | | | | | | | | 3 | | | 1 3.0 |
| Epithelium, Hyperplasia, Diffuse | | | | | 2 | | | | | | | | | | | 1 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Tooth | + | | | | | | | | | + | + | + | + | | + | 23 |
| Dysplasia | 2 | | | | | | | | | 2 | 3 | 2 | 3 | | 4 | 22 2.4 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 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 - 75

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 4 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 10 W/kg | ANIMAL ID | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 1 | 6 | 4 | 8 | 7 | 8 | 6 | 7 | 2 | 8 | 0 | 0 | 6 | 2 | |
| | | 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 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Aorta | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Cardiomyopathy | | | | | | | | | | | 1 | | | | | | 10 1.1 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 2.0 |
| Mineral | | | | | | | | | | | | | | | | | 1 1.0 |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | 1 2.0 |
| Myocardium, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 1 | | | | 2 1.0 |
| Myocardium, Mineral | | | 1 | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 3.0 |
| Hypertrophy, Focal | | | | | | | | | 2 | | | | | | | | 3 1.7 |
| Bilateral, Hypertrophy, Focal | | | | | | | | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | 1 | 2 | | 2 | 2 | 3 | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | | 66 1.6 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hyperplasia | | | | | | | | | | | | | | | | | 11 2.3 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 4 1.3 |
| Parathyroid Gland | M | + | M | M | + | M | M | + | + | M | M | + | + | + | + | | 65 |
| Cyst | | | | | | | | | | X | | | | | | | 1 |
| Pituitary Gland | + | + | + | M | + | + | M | + | + | I | + | + | + | + | + | + | 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

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----------|
| | ANIMAL ID | 7 | 7 | 4 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 1 | 6 | 4 | 8 | 7 | 8 | 6 | 7 | 2 | 8 | 0 | 0 | 6 | 2 | | |
| | | 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 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Pars Distalis, Cyst | | | | | | | | | X | | | | | | | | 2 | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | | | | | | | | | | | | | | | | | 1 | |
| Cyst | | | | | | | | | | | | | | | | | 1 | |
| Epididymis | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | 1 | | | | | | | 1 | 1 | | 32 1.1 | |
| Preputial Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | 2 | | 1 | 1 | 2 | | 2 | | 38 1.3 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 3.0 | |
| Bilateral, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 2.0 | |
| Bilateral, Duct, Dilation | | | | | | | | | | 2 | | | | | | | 3 2.7 | |
| Duct, Dilation | | | | | | | | | | 2 | | | | | | | 5 2.8 | |
| Duct, Inflammation, Chronic Active | | | | | | | | | | 2 | | | | | | | 1 2.0 | |
| Prostate | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 9 1.0 | |
| Seminal Vesicle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Dilation | | | | | | | | | | 2 | | | | | | | 2 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 2.0 | |
| Bilateral, Dilation | | 3 | | | | | | | | 3 | 2 | | 2 | | | | 14 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

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

| | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Germ Cell, Degeneration | | | | | | | | | | 1 | | | | | | | 7 | 1.6 |
| Seminiferous Tubule, Necrosis | | | | | | | | | | | | | | | | | 1 | 3.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Hypercellularity | | | | | | | | | | | | | | | | | 3 | 2.7 |

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|---|---|--|--|--|---|-----------|----------|------------|
| Lymph Node | | | | | | | | | | | + | | | | + | 10 | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 2 | | 2 | 2.0 |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Iliac, Pigment | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | 1 | | | | | | | 2 | 1.5 |

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Lymph Node, Mandibular | M | + | + | + | + | + | M | M | + | + | + | I | + | + | + | 64 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 2 | 2.5 |

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 85 | | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hemorrhage | | | | | | | | | 2 | 2 | 2 | | | | 2 | | 14 | 2.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 6 | 2.5 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 5 | 2.2 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Spleen | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 86 | | |
| Extramedullary Hematopoiesis | | | | | | | | | 2 | | | | | | 2 | | 16 | 2.2 |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | | | | 9 | 2.4 |

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+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
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2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 4 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 10 W/kg | | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 1 | 6 | 4 | 8 | 7 | 8 | 6 | 7 | 2 | 8 | 0 | 0 | 6 | |
| | ANIMAL ID | 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 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| * TOTALS | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 | | |
| Atrophy | | | | | | | | | | | | | | | | | 5 | 3.8 |
| Cyst | | X | | | X | X | | | X | | | X | | | | | 19 | |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 | 1.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Mammary Gland | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | 3 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Ulcer | | | | | | | | | | | | | | | | | 4 | 3.3 |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 2 | 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Increased Bone | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | | | | | | | | | | | 4 | 1.3 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | 1 | 3.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Mineral | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | | 77 | 1.5 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Brain Trigeminal Ganglion | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 80 | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | ANIMAL ID | |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| | | 7 | 7 | 4 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 3 | 1 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 6 | 1 | 6 | 4 | 8 | 7 | 8 | 6 | 7 | 2 | 8 | 0 | 0 | 6 | 2 | | |
| | | 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 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| | | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| * TOTALS | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|---------------|
| Nerve Trigeminal | + | + | + | + | + | M | + | M | M | + | M | + | + | M | M | | 55 | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 88 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | 2 | | | | 1 2.0 |
| Axon, Degeneration | 1 | | | | | | | | | | | 1 | | 1 | | | | 11 1.4 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Squamous Cyst | | | | | | | | | | | | | | | | | | 2 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--------------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Congestion | | | | | | | | | | | | | | | | | | 2 2.5 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | 3 | | | | | | | | | | 5 2.8 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | 3 2.7 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | 2 | | | | | | | 2 | 1 | | | 5 1.8 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--------------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Atrophy | | | | | | | | | 4 | | | | | | | | | 1 4.0 |
| Bilateral, Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|-----|-----|
| | 0
7
3
6 | 0
7
3
1 | 0
4
1
6 | 0
6
3
4 | 0
7
3
8 | 0
7
3
7 | 0
5
1
8 | 0
7
3
6 | 0
7
3
7 | 0
7
3
2 | 0
7
3
8 | 0
7
3
0 | 0
7
3
0 | 0
7
3
6 | 0
7
3
2 | | | |
| ANIMAL ID | 0
1
3
5
0 | 0
1
3
5
1 | 0
1
3
5
2 | 0
1
3
5
3 | 0
1
3
5
5 | 0
1
3
5
6 | 0
1
3
5
7 | 0
1
3
5
8 | 0
1
3
5
9 | 0
1
3
5
0 | 0
1
3
5
1 | 0
1
3
5
2 | 0
1
3
5
3 | 0
1
3
5
4 | 0
1
3
5
5 | | | |
| | * TOTALS | | | | | | | | | | | | | | | | | |
| | Bilateral, Iris, Synechia | | | | | | | | | | | | | | | 1 | 4.0 | |
| | Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| | Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 2 | 1 | 38 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | | |
| Infarct | | | | | | | | | | | | | | | 2 | 2 | 7 | 2.1 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | X | 5 | |
| Mineral | | | | | | | | | | | | | | | 2 | | 1 | 2.0 |
| Nephropathy, Chronic Progressive | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 77 | 1.2 | |
| Bilateral, Infarct | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Bilateral, Renal Tubule, Pigment | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | X | 1 | |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | 1 | | | 1 | | 2 | 2 | | | | | | 1 | 40 | 1.4 | | |
| Interstitial, Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Pelvis, Dilatation | | | | | | | | | | | | | | | 2 | | 2 | 2.5 |
| Pelvis, Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | X | 10 | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | 1 | 1 | 5 | 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | 2 | 2 | | | 1 | | | | | | 41 | 1.1 | | |

*** END OF MALE DATA ***

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

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 |
| 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 | | 1 | | 1 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | | | | | | | | | 2 | | | | | | |

* .. 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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Lab: IIT

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

* .. 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 | 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 | females
(cont...) |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 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 | 5 | 4 | 4 | |
| | | 9 | 8 | 5 | 6 | 3 | 0 | 9 | 6 | 2 | 9 | 2 | 6 | 6 | 1 | 1 | 3 | 0 | 4 | 4 | 6 | 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 | females
(cont...) |
| | | 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 | |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | |

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 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 |
| 0 W/kg | | 9 | 8 | 5 | 6 | 3 | 0 | 9 | 6 | 2 | 9 | 2 | 6 | 6 | 1 | 1 | 3 | 0 | 4 | 4 | 4 | 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 | 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 |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

females
(cont...)

Cyst

Pituitary Gland
 Pars Distalis, Angiectasis
 Pars Distalis, Cyst
 Pars Distalis, Hyperplasia, Focal

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | I | + |
| | | | | | | | | | | | | | | | | | | | | X | | | | | |
| | | | | | | | | | | | | | 3 | | | | | | | | | | | | |

Thyroid Gland
 Infiltration Cellular, Lymphocyte
 Follicle, Cyst

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland
 Infiltration Cellular, Lymphocyte
 Duct, Cyst

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | X |

Ovary
 Cyst
 Hemorrhage
 Mineral
 Follicle, Cyst

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | I | + | M | + | + | + | + |
| | | | | | | | | | | | | | | | | X | | | | | | | X | |
| | | | | | | | | | | | X | | | | | | | | | | X | | | |

Uterus
 Angiectasis
 Dilation
 Hemorrhage

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| 3 | | | 3 | | | | | 2 | | | | 2 | 2 | 3 | | | 2 | 2 | 2 | 2 | 2 | 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0739 | 0638 | 0745 | 0746 | 0770 | 0773 | 0669 | 0772 | 0772 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0551 | 0667 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | females
(cont...) |
| | 0 W/kg | 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 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | |

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

3 3 3 3 2 3 3 3 2 3 X 2 3 3 3 2 2 3 2 3 2

Vagina M

HEMATOPOIETIC SYSTEM

Bone Marrow
 Hypercellularity
 Hypocellularity
 Myeloid Cell, Hypercellularity

+
 3

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

+

Lymph Node, Mandibular
 Hemorrhage
 Hyperplasia, Lymphoid

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 - 75

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | M | + | + | + | + | + | |
| Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | 2 | | | | | | 2 | 4 | | | | 3 | | 2 | | 3 | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 3 | | | | | | | | | | | 2 | |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | I | + | + | + | + | + | + | A | + | + | I | + | + | + | + | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | X | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 2 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Mammary Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| 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 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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2) Mild 4) Marked

Experiment Number: 20105 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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

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 | 2 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 | 2 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Nerve Trigeminal | 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
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically

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Experiment Number: 20105 - 75

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Cell Phone Radiation: CDMA

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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 | 0 W/kg | ANIMAL ID | | females
(cont...) |
| | | 0391 | 0838 | 0445 | 0446 | 0443 | 0550 | 0339 | 0556 | 0552 | 0339 | 0542 | 0446 | 0551 | 0553 | 0440 | 0444 | 0444 | 0446 | 0440 | 0550 | 0445 | 0440 | 0777 | | | | |

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

2

3

2

Mediastinum

+

Nose

Inflammation, Acute

+ +

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Harderian Gland

Infiltration Cellular, Lymphocyte

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

URINARY SYSTEM

Kidney

Cyst

Infarct

Metaplasia, Osseous

Nephropathy, Chronic Progressive

Bilateral, Infarct

Interstitial, Infiltration Cellular, Lymphocyte

Pelvis, Dilatation

Renal Tubule, Dilatation

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

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

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 0772 | 0779 | 0772 | 0776 | 0776 | 0771 | 0571 | 0663 | 0740 | 0744 | 0744 | 0746 | 0740 | 0750 | 0754 | 0740 | 0743 | females
(cont...) |
| | 0 W/kg | ANIMAL ID | 0010 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | |

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 | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
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| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
| | 0
7
4
6 | 0
7
4
3 | 0
7
4
0 | 0
7
4
6 | 0
7
4
6 | 0
6
4
7 | 0
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8 | 0
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7 | 0
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4
0 | 0
6
8
9 | 0
5
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4 | 0
7
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5 | 0
7
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5 | 0
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4
4 | 0
7
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4 | 0
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2 | |
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3 | 0
0
6
4 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

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

Infiltration Cellular, Mixed Cell

2

Lymph Node, Mesenteric

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

Erythrophagocytosis

2

Hemorrhage

3

Hyperplasia, Lymphoid

2

Infiltration Cellular, Histiocyte

2

2

Spleen

+ +

Atrophy

Extramedullary Hematopoiesis

2 3 2 2

Hyperplasia, Lymphoid

2 2 3 2

Capsule, Fibrosis

2

Thymus

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

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2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

females (cont...)

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

Mediastinum +

Nose +
 Inflammation, Acute

Trachea +

SPECIAL SENSES SYSTEM

Eye + + + + + + + + + + + + + + + + + + M + + + +

Harderian Gland +
 Infiltration Cellular, Lymphocyte 1 1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1

URINARY SYSTEM

Kidney +
 Cyst X

Infarct
 Metaplasia, Osseous
 Nephropathy, Chronic Progressive
 Bilateral, Infarct
 Interstitium, Infiltration Cellular, Lymphocyte 1 1 2 2 1 2 1 1 2 3 2 2 1 2 2 2 1
 Pelvis, Dilatation 3
 Renal Tubule, Dilatation

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

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Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE FEMALE
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 | 0 | 0 | females
(cont...) |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| | ANIMAL ID | 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 | 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 | 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 | |

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
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 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
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3 | 0
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9 | 0
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7
5
1 | 0
7
4
6 | 0
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6
8 | 0
7
4
5 | 0
7
4
0 | 0
6
4
2 | |
| | 0 W/kg | ANIMAL ID | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
6 | 0
0
1
6
6 | 0
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7 | 0
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1
8
8 | 0
0
1
8
8 | 0
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9 | 0
0
1
9
9 | 0
0
1
9
9 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Gallbladder | | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Intestine Small, Jejunum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | 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 W/kg | 7 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 |
| | 4 | 0 | 5 | 7 | 4 | 4 | 4 | 5 | 3 | 4 | 2 | 5 | 5 | 4 | 3 | 9 | 5 | 5 | 5 | 5 | 4 | 6 | 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 | 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 |
| | 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 |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 2 |

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 + + + + + +
1
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

Uterus

Angiectasis
Dilation
Hemorrhage

+ + + + I + + + + + + + + + + + + + + + + + +
3
2 2 2 4 3 3 3 2 3 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 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 0743 | 0743 | 0551 | 0557 | 0774 | 0774 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0575 | 0775 | 0777 | 0777 | 0777 | 0575 | 0777 | 0777 | 0676 | | 0777 | 0777 | 0676 | 0777 | 0777 | 0676 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 W/kg | 00165 | 00166 | 00167 | 00168 | 00169 | 00170 | 00171 | 00172 | 00173 | 00174 | 00175 | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | 00200 | 00201 | 00202 | 00203 | 00204 | 00205 | 00206 | 00207 | 00208 | 00209 | 00210 | 00211 | 00212 | 00213 | 00214 | 00215 | 00216 | 00217 | 00218 | 00219 | 00220 | 00221 | 00222 | 00223 | 00224 | 00225 | 00226 | 00227 | 00228 | 00229 | 00230 | 00231 | 00232 | 00233 | 00234 | 00235 | 00236 | 00237 | 00238 | 00239 | 00240 | 00241 | 00242 | 00243 | 00244 | 00245 | 00246 | 00247 | 00248 | 00249 | 00250 | 00251 | 00252 | 00253 | 00254 | 00255 | 00256 | 00257 | 00258 | 00259 | 00260 | 00261 | 00262 | 00263 | 00264 | 00265 | 00266 | 00267 | 00268 | 00269 | 00270 | 00271 | 00272 | 00273 | 00274 | 00275 | 00276 | 00277 | 00278 | 00279 | 00280 | 00281 | 00282 | 00283 | 00284 | 00285 | 00286 | 00287 | 00288 | 00289 | 00290 | 00291 | 00292 | 00293 | 00294 | 00295 | 00296 | 00297 | 00298 | 00299 | 00300 | 00301 | 00302 | 00303 | 00304 | 00305 | 00306 | 00307 | 00308 | 00309 | 00310 | 00311 | 00312 | 00313 | 00314 | 00315 | 00316 | 00317 | 00318 | 00319 | 00320 | 00321 | 00322 | 00323 | 00324 | 00325 | 00326 | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 | 00361 | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | 00372 | 00373 | 00374 | 00375 | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 | 00400 | 00401 | 00402 | 00403 | 00404 | 00405 | 00406 | 00407 | 00408 | 00409 | 00410 | 00411 | 00412 | 00413 | 00414 | 00415 | 00416 | 00417 | 00418 | 00419 | 00420 | 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 | 00446 | 00447 | 00448 | 00449 | 00450 | 00451 | 00452 | 00453 | 00454 | 00455 | 00456 | 00457 | 00458 | 00459 | 00460 | 00461 | 00462 | 00463 | 00464 | 00465 | 00466 | 00467 | 00468 | 00469 | 00470 | 00471 | 00472 | 00473 | 00474 | 00475 | 00476 | 00477 | 00478 | 00479 | 00480 | 00481 | 00482 | 00483 | 00484 | 00485 | 00486 | 00487 | 00488 | 00489 | 00490 | 00491 | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 |

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 3

Vagina

HEMATOPOIETIC SYSTEM

Bone Marrow
Hypercellularity 3
Hypocellularity 3
Myeloid Cell, Hypercellularity 4

Lymph Node
Hyperplasia, Lymphoid
Axillary, Infiltration Cellular, Mixed Cell 2
Axillary, Pigment 2
Bronchial, Hyperplasia, Lymphoid 2
Iliac, Hemorrhage 3
Iliac, Hyperplasia, Lymphoid 3
Iliac, Infiltration Cellular, Mixed Cell 2
Lumbar, Infiltration Cellular, Mixed Cell
Mediastinal, Hyperplasia, Lymphoid 2
Pancreatic, Hyperplasia, Lymphoid
Renal, Hemorrhage 3
Renal, Hyperplasia, Lymphoid

Lymph Node, Mandibular
Hemorrhage 4
Hyperplasia, Lymphoid 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

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | 2 | 2 | 1 | 2 | 2 | | | 1 | | 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
 BLANK .. Not examined microscopically

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

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 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 | | | | | | | | | | | | | | | | | |

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 | | | | | | | | | | | | | | 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

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 | 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 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 | 1 | 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 | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Mixed Cell Focus | | | | | | | | | | | | | | X | | 5 | | |
| Necrosis | | | | | 4 | | | | | | | | | | 3 | 6 | 2.8 | |
| Hepatocyte, Fatty Change, Focal | | 2 | | | | | | | | | | | | | | 3 | 1.3 | |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Mesentery | + | | | | | | + | | | | | | | | | 29 | | |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 2 | 3.0 | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Fat, Necrosis | | 3 | | | | | | 3 | | | | | | | | 25 | 2.6 | |
| Pancreas | + | + | + | + | A | + | + | + | + | + | + | + | + | + | M | 87 | | |
| Infiltration Cellular, Lymphocyte | | 1 | | | | | | 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 | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 |
| 0 W/kg | ANIMAL ID | 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 | 3 | 0 | 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 | |
| | | 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 |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|--|
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | | | |
| | | 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 | | | | |
| | | 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 | |

Cyst 1

Pituitary Gland 80

Pars Distalis, Angiectasis 2 2.0

Pars Distalis, Cyst 1

Pars Distalis, Hyperplasia, Focal 2 3.0

Thyroid Gland 86

Infiltration Cellular, Lymphocyte 1 1.0

Follicle, Cyst 1

GENERAL BODY SYSTEM

Tissue NOS 1

GENITAL SYSTEM

Clitoral Gland 82

Infiltration Cellular, Lymphocyte 3 1.0

Duct, Cyst 1

Ovary 75

Cyst 9

Hemorrhage 1 3.0

Mineral 1 2.0

Follicle, Cyst 9

Uterus 89

Angiectasis 1 3.0

Dilation 35 2.5

Hemorrhage 1 4.0

* .. 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 - 75

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

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Time Report Requested: 14:32:42

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 |
| | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | ANIMAL ID | |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|------|
| | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | | 0750 |
| 0 W/kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 002 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 003 |
| | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 004 |
| | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 005 |
| | | | | | | | | | | | | | | | * TOTALS | |

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 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 - 75

Test Type: CHRONIC

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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 |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 |
| 0 W/kg | ANIMAL ID | 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 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 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 | 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

BLANK .. Not examined microscopically

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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 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 | 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 | | |
| | | 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 | | | | | | | | | | | | | | | | | | 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 | | 1 | 2 | 1 | 2 | | | 58 | 1.2 |

URINARY SYSTEM

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

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

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

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

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

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

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

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

| | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|------------|
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 4 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 |
| 0 W/kg | ANIMAL ID | 5 | 4 | 5 | 4 | 9 | 4 | 4 | 7 | 4 | 4 | 4 | 0 | 4 | 5 | 4 | 4 | 4 |
| | | 0 | 6 | 0 | 4 | 3 | 8 | 5 | 7 | 3 | 0 | 3 | 7 | 3 | 0 | 4 | 0 | 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 |
| | | 1 | 1 | 1 | 1 | 1 | 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 | 1 | 1 |
| | | 3 | 4 | 5 | 6 | 7 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Mineral | | | | | | | | | | | | | | | | | 1 1.0 | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | 2 | 2 | | 2 | 1 | | 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | | | |
| | | | | | | | | | | | | | | | | | 86 | |
| | | | | | | | | | | | | | | | | | 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

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | ANIMAL ID | females
(cont...) | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | | | | |
| | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 5 | 4 | 4 | 9 | 4 | 4 | 4 | 5 | 7 | 4 | 8 | 4 | 4 | 4 | 4 | 9 | 0 | 0 | | |
| | 1 | 1 | 5 | 4 | 3 | 9 | 0 | 9 | 1 | 5 | 0 | 5 | 4 | 0 | 3 | 1 | 9 | 5 | 9 | 6 | 7 | 7 | 4 | 3 | 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 | |
| | 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 | 0 | |
| | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 0 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 3 | 0 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | A | + | + | + | + | M | A | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | A | A | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | A | + | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | M | + | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | A | | |
| Intestine Small, Ileum
Inflammation, Suppurative
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | | |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | A | | |
| Liver
Basophilic Focus
Extramedullary Hematopoiesis
Fatty Change
Infiltration Cellular, Lymphocyte
Inflammation, Focal
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| | 1 | | | 2 | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | |
| | | | | | | | | | | | 2 | | | | | 1 | | | | | | | | | | |
| 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

Fat, Mineral
Fat, Necrosis

3 2 2 3

Pancreas
Infiltration Cellular, Lymphocyte
Necrosis

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

Salivary Glands
Infiltration Cellular, Lymphocyte

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

Stomach, Forestomach

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

Stomach, Glandular
Cyst

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

CARDIOVASCULAR SYSTEM

Aorta

+ I + +

Heart

+ +

Cardiomyopathy
Artery, Inflammation, Chronic Active
Endothelium, Hyperplasia
Myocardium, Hemorrhage
Myocardium, Inflammation, Chronic Active

2 1

ENDOCRINE SYSTEM

Adrenal Cortex
Hyperplasia, Focal
Vacuolization Cytoplasmic

+ + + + I +
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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | |
|---|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
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1 | 0
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1 | 0
7
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5 | 0
7
4
4 | 0
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3 | 0
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9 | 0
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6 | 0
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4 | 0
7
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| ANIMAL ID | | 0
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7 | 0
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8 | 0
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1 | 0
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1 | 0
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2 | 0
0
7
3 |
| Bilateral, Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | | |
| Adrenal Medulla
Hyperplasia | | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Islets, Pancreatic
Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | | + | M | + | + | M | + | + | M | M | + | + | + | + | M | + | + | + | + | M | M | + | + | M | + | + | | | |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | | + | I | + | + | + | + | M | + | + | + | + | + | I | + | + | + | + | + | M | + | + | + | + | + | + | | | |
| | | | | | | 3 | | | | | | | | | | | | | 2 | | | 2 | | | | | | | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | | | |
| | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland
Duct, Cyst

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | X | | | |

Ovary

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

* .. 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 FEMALE | DAY ON TEST | 0751 | 0751 | 0744 | 0744 | 0743 | 0773 | 0773 | 0773 | 0773 | 0773 | 0676 | 0774 | 0774 | 0774 | 0774 | 0574 | 0774 | 0674 | 0774 | 0774 | 0774 | 0676 | 0776 | |
| | 2.5 W/kg | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | |
| | ANIMAL ID | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | 0046 | females
(cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paraovarian Tissue, Cyst | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | | | | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Lymph Node | | | | | | + | | | + | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hemorrhage | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

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

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular
Hemorrhage | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | M | + | + | | |
| Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric
Hemorrhage | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | | | | 1 | | | | | | | 4 | | | | | | | | | | | | | | | | | |
| Spleen
Extramedullary Hematopoiesis
Hemorrhage | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus
Atrophy
Cyst
Hemorrhage | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland
Hyperplasia, Diffuse
Infiltration Cellular, Lymphocyte
Duct, Dilation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin
Ulcer
Epidermis, 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 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 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 |
| | | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 1 | 2 | 3 |

females
(cont...)

Hair Follicle, Atrophy

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Increased Bone | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0751 | 0751 | 0744 | 0744 | 0743 | 0773 | 0774 | 0773 | 0773 | 0771 | 0775 | 0770 | 0765 | 0774 | 0774 | 0774 | 0777 | 0757 | 0774 | 0768 | 0777 | 0777 | 0777 | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | 2 | | 1 | | | | | | | | | | | | | | | | 2 | | |
| Infiltration Cellular, Histiocyte | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Focal | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | | | | 1 | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infarct | | | | 2 | 2 | 2 | | | | 1 | | | | | 2 | | | | | | | | 2 | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | 1 | | | | 1 | | | | | 1 | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | | | 2 | 1 | 1 | | 1 | | | 2 | 2 | 1 | 2 | |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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...) | | |
|-----------------------------------|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|---|
| | | 071 | 075 | 074 | 074 | 074 | 073 | 079 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | | 070 | |
| Infiltration Cellular, Lymphocyte | 1 | 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 - 75
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 14:32:42
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | M | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | 2 | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | | | | | | | | | | + | + | | | | | | | | | | | | | | | | | |

* .. 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
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 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 | 0 | 0 | 0 | | |
| Bilateral, Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0739 | |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0097 | |
| Islets, Pancreatic
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0077 | |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | M | M | + | M | + | M | M | M | M | + | + | M | + | M | + | M | M | + | + | M | + | + | M | M | + | + | + | 0097 | |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0077 | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0046 | |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland
Duct, Cyst

Ovary

* .. 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 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|--|--|---|--|--|---|--|--|--|--|--|--|--|---|--|--|--|---|--|--|---|--|
| | 0
7
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9 | 0
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4
4 | 0
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7
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0 | | 0
7
3
9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0
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7 | | 0
0
9
9
8 | 0
0
9
9
9 | 0
1
0
0
1 | 0
1
0
0
2 | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paraovarian Tissue, Cyst | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | | 2 | | 3 | 4 | | 3 | 4 | 2 | 2 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 3 | |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | | | | + | | | | | | + | | + | | | | | | | | + | | | | | | + | + | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | + | | | | | | | | | | | | | | | | |
| Bronchial, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| Renal, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 3 | 4 | 5 | 1 | 5 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 6 | 5 | 4 | 9 | 4 | 5 | 5 | 3 | 5 | 4 | 3 | 4 | | |
| | | 9 | 4 | 0 | 5 | 1 | 1 | 5 | 4 | 4 | 3 | 3 | 9 | 1 | 6 | 2 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | | 4 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | | |

Lymph Node, Mandibular Hemorrhage + M

Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte 3

Lymph Node, Mesenteric Hemorrhage + + + + + + + + + + + + + + M + + M + + + + + +

Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte

Spleen Extramedullary Hematopoiesis Hemorrhage +

Hyperplasia, Lymphoid 2 3 2 3 2 4 2 3 2

Thymus Atrophy Cyst Hemorrhage +

INTEGUMENTARY SYSTEM

Mammary Gland Hyperplasia, Diffuse Infiltration Cellular, Lymphocyte Duct, Dilation +

2 2

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

Hair Follicle, Atrophy 3

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Increased Bone | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

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

3

RESPIRATORY 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:

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2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0739 | 0734 | 0745 | 0775 | 0771 | 0771 | 0774 | 0774 | 0773 | 0773 | 0771 | 0776 | 0772 | 0777 | 0774 | 0779 | 0774 | 0774 | 0775 | 0773 | 0775 | 0774 | 0773 | 0779 | | |
| Infiltration Cellular, Lymphocyte | 1 | 2 | 1 | | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | | | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 X .. Lesion present
 I .. Insufficient tissue
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 A .. Autolysis precludes evaluation
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1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|---|---|---|---|---|---|
| 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 2.5 W/kg | | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 2 | 5 | 5 | 3 | 5 | 4 | 4 | 0 | 5 | 3 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 0 | 4 | 0 | 3 | 0 | 5 | 3 | 3 | 0 | 6 | 8 | 0 | 6 | 1 | 0 | 5 | 3 | 1 | 9 | 5 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 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 |
| | | 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 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2 2 3 3 2 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 1 2 2 2 2 1 1 2 1 1 2 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Stomach, Glandular Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | +
X |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Aorta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + M + + |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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...) | |
|--------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|------------------------|------|
| | 0750 | 0754 | 0754 | 0754 | 0755 | 0754 | 0753 | 0753 | 0750 | 0756 | 0757 | 0757 | 0757 | 0757 | 0757 | 0754 | 0754 | 0750 | 0755 | 0753 | 0754 | 0754 | 0756 | | | 0757 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0000000000000000000000 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0000000000000000000000 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0000000000000000000000 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 345678901234568901 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bilateral, Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | M | + | + | M | + | + | + | M | + | + | + | M | + | + | + | + | + | M |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | + | + | I | + | + | I | + | + | + | I | + | + | + | + | + | + | I | + | + | + | + | + | + | + |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

| | |
|------------|---|
| Tissue NOS | + |
|------------|---|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Duct, Cyst | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | 7 | 7 | | |
| | | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 2 | 5 | 5 | 3 | 5 | 4 | 4 | 0 | 5 | 3 | 4 | 4 | 4 | 2 | 4 | 4 | | |
| | | 0 | 4 | 0 | 3 | 0 | 5 | 3 | 3 | 0 | 6 | 8 | 0 | 6 | 1 | 0 | 5 | 3 | 1 | 9 | 5 | 6 | 7 | 6 | 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 | |
| | | 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 | 0 | 0 | 0 | 0 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 |
| Angiectasis | | | | | | | | | | | | | | | | | 3 | | | | | | | | | |
| Cyst | | | | X | | | X | X | X | | | | | | | | | | | X | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Follicle, Cyst | | | | | X | | | | | | | | | | | X | | | | | | | | | | |
| Paraovarian Tissue, Cyst | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | 3 | | | | | | | | 4 | |
| Dilation | | 3 | 2 | | 3 | | | | | | 3 | 3 | 3 | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | 1 | 3 | 2 | 2 | 4 | 3 | | | 3 | 2 | | | 3 | 4 | | | 2 | 2 | 2 | 3 | 3 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | 2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypercellularity | | | | | 2 | 3 | | | | | | | 4 | | | | | | | | | | | | 2 |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | | | | + | | | | | | | | + | | | | | | | | | | + | + | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

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 X .. Lesion present
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M .. Missing tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------|--|
| 2.5 W/kg | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
| | | 0
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4 | 0
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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lymph Node, Mandibular
Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | I | + | |
| Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Lymph Node, Mesenteric
Hemorrhage | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | |
| Hyperplasia, Lymphoid
Infiltration Cellular, Histiocyte | | 2 | 2 | | | | | | 2 | | | | | | 1 | | | | | 2 | | | | | | | |
| Spleen
Extramedullary Hematopoiesis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage
Hyperplasia, Lymphoid | | | | | 3 | 2 | | | 4 | | | 4 | | | 2 | | | | | | | | | 4 | | | |
| Thymus
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | |
| Cyst
Hemorrhage | | | | | | | | | | | | | | | 3 | | 2 | | | | | X | | | | 2 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland
Hyperplasia, Diffuse | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte
Duct, Dilation | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Skin
Ulcer | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
| | | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 2 | 5 | 5 | 3 | 5 | 4 | 4 | 0 | 5 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 |
| 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 |
| | | 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 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 9 |

females
(cont...)

Hair Follicle, Atrophy

4

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Increased Bone | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | 1 | | | | | | 1 | | | | | 1 | | | 2 | | | | |

NERVOUS SYSTEM

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

3

RESPIRATORY 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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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|
| | 0750 | 0754 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | |
| 2.5 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 | 0000 | | |
| ANIMAL ID | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | 3 | | | | | | | | | | | | 2 | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | 1 | | 1 | 1 | | 2 | | | 2 | 1 | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | | | | 2 | 1 | 3 | 1 | | | 2 | | | 1 | | 1 | | | | 2 | | | 2 | | | 1 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 |
| Interstitial, Infiltration Cellular, Lymphocyte | 2 | | 2 | | | | | | | 2 | 2 | 1 | | 1 | 2 | 1 | 1 | 1 | 2 | | | 2 | 2 | 1 | | 2 | 1 |
| Papilla, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

2.5 W/kg | DAY ON TEST | 070 | 074 | 074 | 074 | 075 | 074 | 073 | 073 | 070 | 076 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 076 | 077 | 077 | females
(cont...) | | | | |
| | ANIMAL ID | 000 | 000 | 000 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | | | | | |
| | | 345 | 678 | 901 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | | | | | |
| Infiltration Cellular, Lymphocyte | | 3 | 2 | 1 | 3 | 2 | | 1 | 2 | 2 | | | | 1 | 2 | 1 | | | | 2 | 3 | | | | 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | 7 | 7 | 6 | 7 | 7 | 0 | 7 | 7 | 7 | 4 | 4 | 5 |
| 2.5 W/kg | ANIMAL ID | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | |
| | | 1 | 0 | 5 | 6 | 6 | 4 | 3 | 9 | 5 | 5 | 3 | 6 | 4 | 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 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 4 | 6 | 7 | 8 | 9 | 0 | | |
| * TOTALS | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Gallbladder | M | + | + | + | + | + | + | A | + | + | M | + | + | + | 75 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 4 1.8 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 82 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 85 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 86 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 81 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | 82 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | 1 4.0 |
| Peyer's Patch, Hyperplasia, Lymphoid | | 3 | | | | | | | | | | | | | | 2 3.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 81 | |
| Peyer's Patch, Hyperplasia, Lymphoid | | | | | | | | | 4 | | | | | | | 2 3.5 |
| Liver | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Basophilic Focus | | | | | | | | | | | | | | | | 4 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | 2 1.0 |
| Fatty Change | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | 1 | 1 | 1 | | 22 1.4 |
| Inflammation, Focal | | | | 2 | | | | | | | | | | | | 2 2.0 |
| Necrosis | | | | | | | | | | | | | | | | 2 1.5 |
| Mesentery | | + | + | | | + | + | | | | | | | | | 24 |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
| | 0751 | 0754 | 0757 | 0764 | 0766 | 0774 | 0777 | 0778 | 0783 | 0789 | 0793 | 0795 | 0796 | 0797 | |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | |
| | 0132 | 0133 | 0134 | 0135 | 0136 | 0137 | 0138 | 0139 | 0140 | 0141 | 0142 | 0143 | 0144 | 0145 | |
| | | | | | | | | | | | | | | | * TOTALS |
| Fat, Mineral | | | | | | | | | | | | | | | 1 2.0 |
| Fat, Necrosis | | 3 | | 2 | | | | 3 | | | | | | | 22 2.6 |
| Pancreas | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 86 |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | 1 | | | | | 1 | 1 | | 23 1.1 |
| Necrosis | | | | | | | | | | | | | | | 1 3.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Infiltration Cellular, Lymphocyte | 2 | 1 | 2 | 1 | | 2 | 1 | | | 1 | | 1 | 2 | | 61 1.4 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Stomach, Glandular Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88
2 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | |
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Cardiomyopathy | | 2 | | | | | | | | 2 | | | | | 4 1.8 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | 2 1.5 |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | 1 2.0 |
| Myocardium, Hemorrhage | | | | | | | | | | | | | | | 1 1.0 |
| Myocardium, Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | 1 4.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | * TOTALS |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|
| | 0
7
5
1 | 0
7
4
0 | 0
7
4
5 | 0
7
4
6 | 0
7
4
6 | 0
7
4
4 | 0
7
4
3 | 0
6
3
9 | 0
7
4
5 | 0
7
4
5 | 0
0
3
3 | 0
7
4
6 | 0
7
4
4 | 0
7
5
0 | |
| | ANIMAL ID | | | | | | | | | | | | | | |
| | 0
1
0
3
2 | 0
1
0
3
4 | 0
1
0
3
5 | 0
1
0
3
6 | 0
1
0
3
7 | 0
1
0
3
8 | 0
1
0
3
9 | 0
0
0
4
1 | 0
0
0
4
4 | 0
0
0
4
4 | 0
0
0
4
6 | 0
0
0
4
7 | 0
0
0
4
8 | 0
0
0
4
9 | 0
0
0
5
0 |
| Bilateral, Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | | 2 | 2 | 2 | | 1 2.0
84 2.1 |
| Adrenal Medulla
Hyperplasia | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 87
2 2.0 |
| Islets, Pancreatic
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 88
3 1.7 |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | + | M | + | + | + | + | + | + | + | + | M | + | + | M | 59
1 3.0 |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | I | M | + | + | + | 79
9 2.2
1
2 1.5 |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87
1 1.0
1 3.0 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | |
| Clitoral Gland
Duct, Cyst | M | + | + | + | + | + | + | + | + | + | M | + | + | + | 82
1 |
| Ovary | M | M | + | + | + | + | + | + | + | + | + | + | + | + | 84 |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0751 | 0754 | 0757 | 0764 | 0766 | 0774 | 0777 | 0778 | 0783 | 0789 | 0791 | 0794 | 0796 | |
| 2.5 W/kg | 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 | |
| | 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 | 5 | |
| | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 4 | 6 | 7 | 8 | 9 | |
| Angiectasis | | | | | | | | | | | | | | 3 3.3 |
| Cyst | | | | | | | | | | | | X | | 11 |
| Hemorrhage | | | | | | | | | | | | | | 1 4.0 |
| Follicle, Cyst | | | | | | | | | | | | | | 7 |
| Paraovarian Tissue, Cyst | | | | | | | | | | | | | | 2 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Angiectasis | | | | | | | | | | | | | | 3 3.7 |
| Dilation | | 3 | | | 3 | | | 4 | 3 | | | 3 | | 21 3.0 |
| Endometrium, Hyperplasia, Cystic | 3 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | | | 2 | 2 | 3 | 75 2.5 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hypercellularity | | | | | | | | 3 | | | | | | 8 2.6 |
| Myeloid Cell, Hypercellularity | | | | | | | | | | | | | | 1 3.0 |
| Lymph Node | | | | | + | + | | | + | | | | | 21 |
| Bronchial, Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | 2 3.0 |
| Bronchial, Infiltration Cellular, Histiocyte | | | | | | 2 | | | | | | | | 1 2.0 |
| Bronchial, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | 1 3.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | | 2 | | | | | | | | 4 1.8 |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | 3 | | | | | | | | 1 3.0 |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | 1 3.0 |
| Iliac, Pigment | | | | | | | | | | | | | | 1 1.0 |
| Lumbar, Hemorrhage | | | | | | | | | | | | | | 1 1.0 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | 3 | | | | | | | | 2 2.5 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | 4 1.8 |
| Renal, Ectasia | | | | | | | | | | | | | | 1 4.0 |
| Renal, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | 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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2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 0 | 7 | 7 | 7 | 7 |
| 2.5 W/kg | ANIMAL ID | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 5 | 5 |
| | | 1 | 0 | 5 | 6 | 6 | 4 | 3 | 9 | 5 | 5 | 3 | 6 | 4 | 0 | 0 |

* TOTALS

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Lymph Node, Mandibular Hemorrhage | + | + | + | + | + | + | + | M | M | I | + | + | + | + | 79 | 1 | 1.0 |
| Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 | 3.0 |
| | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mesenteric Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 | 3 | 2.0 |
| Hyperplasia, Lymphoid Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 5 | 2.2 |
| | | | | | | | | | | | | | | | | 4 | 2.0 |
| Spleen Extramedullary Hematopoiesis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | 18 | 2.9 |
| Hemorrhage | | | | | | | | 2 | 3 | | | | | | | 1 | 3.0 |
| Hyperplasia, Lymphoid | | | 2 | | | | | | | | | | | | | 10 | 2.1 |
| Thymus Atrophy | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 83 | 3 | 2.3 |
| Cyst | | | | | | | | | | | | | | | | 4 | |
| Hemorrhage | | | | | | | | | | | | | | | | 2 | 1.5 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mammary Gland Hyperplasia, Diffuse | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | 1 | 3.0 |
| Infiltration Cellular, Lymphocyte Duct, Dilation | | | | | | | | | | | | | | | | 1 | 2.0 |
| | | | | | | | | | | | | | | | | 2 | 2.0 |
| Skin Ulcer | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | 3 | 2.7 |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | 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

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Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 0 | 7 | 7 | 7 |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 5 |
| | | 1 | 0 | 5 | 6 | 6 | 4 | 3 | 9 | 5 | 5 | 3 | 6 | 4 | 0 |
| 2.5 W/kg | ANIMAL ID | 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 |
| | | 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 | 5 |
| | | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 4 | 6 | 7 | 8 | 9 | 0 |
| | | | | | | | | | | | | | | * TOTALS | |

Hair Follicle, Atrophy

2 3.5

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Increased Bone | | | | 3 | | | | | | | | | | | | 1 3.0 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Degeneration | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | 2 | | | | | | | | | | | | | | | 7 1.3 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Mineral | 2 | 2 | 2 | 1 | 2 | 1 | 2 | | 1 | 1 | | 2 | 1 | 1 | | 81 1.4 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | 2 | | | | 3 2.0 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 82 | |
| Nerve Trigeminal | + | M | M | M | M | M | M | + | M | M | + | M | M | + | 30 | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Axon, Degeneration | | 1 | | | | | | | | | | | | | | 4 1.3 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Degeneration | | | | | | | | | | | | | | | | 1 2.0 |
| Demyelination | | | | | | | | | | | | | | | | 1 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 1 |
| Necrosis | | | | | | | | | | | | | | | | 2 3.0 |

RESPIRATORY 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | * TOTALS | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|
| | 0751 | 0754 | 0757 | 0764 | 0766 | 0774 | 0777 | 0778 | 0783 | 0789 | 0791 | 0794 | 0795 | | 0796 |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | |
| | 001322 | 001334 | 001335 | 001336 | 001337 | 001338 | 001339 | 001341 | 001344 | 001346 | 001347 | 001348 | 001349 | 001350 | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hemorrhage | | | | | | | | | | | | | | | 7 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | 3 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Trachea | + | I | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Harderian Gland | I | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | 2 | 2 | | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 2 | 1 | 66 1.2 |
| URINARY SYSTEM | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Infarct | 1 | | | 2 | 2 | | | | | | | | | | 26 1.7 |
| Metaplasia, Osseous | | | | | | | | X | | | | | | | 1 |
| Nephropathy, Chronic Progressive | | | 1 | | | 1 | | | | | | | | | 12 1.1 |
| Interstitial, Infiltration Cellular, Lymphocyte | 1 | 1 | 2 | 2 | | 2 | 2 | | 2 | 1 | | 1 | 2 | 1 | 65 1.5 |
| Papilla, Necrosis | | | | | | | | | | | | | | | 1 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |

* .. 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

A .. Autolysis precludes evaluation

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2) Mild 4) Marked

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Species/Strain: MICE/B6C3F1

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CAS Number: CELLPRADCDMA

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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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 0 | 7 | 7 | 7 |
| | | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 5 |
| | | 1 | 0 | 5 | 6 | 6 | 4 | 3 | 9 | 5 | 5 | 3 | 6 | 4 | 0 |
| | ANIMAL ID | 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 |
| | | 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 | 5 |
| | | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 4 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | | | | | | | | | | | | | |
| | Infiltration Cellular, Lymphocyte | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | | 1 | 2 | 2 | |
| | | 64 1.6 | | | | | | | | | | | | | |

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | 0745 | 0745 | 0744 | 0770 | 0771 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0780 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | females
(cont...) |
| | ANIMAL ID | 0156 | 0157 | 0158 | 0159 | 0160 | 0161 | 0162 | 0163 | 0164 | 0165 | 0166 | 0167 | 0168 | 0169 | 0170 | 0171 | 0172 | 0173 | 0174 | 0175 | 0176 | 0177 | 0178 | |
| | | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder
Cyst
Infiltration Cellular, Lymphocyte
Epithelium, Hyperplasia, Diffuse | + | + | + | + | + | + | + | A | + | + | M | + | A | + | A | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + |
| Liver
Basophilic Focus
Eosinophilic Focus
Fatty Change
Hemorrhage
Infiltration Cellular, Lymphocyte
Necrosis
Hepatocyte, Fatty Change, Focal
Hepatocyte, Hypertrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | X | | | | | | | | | | | | | | | | | | X | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

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+ .. 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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 CAS Number: CELLPRADCDMA

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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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 5 | 5 | 3 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 0 | |
| 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 | |
| | | 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 | 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 | |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |

females
(cont...)

Oval Cell, Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aorta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 I .. Insufficient tissue

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 1) Minimal 3) Moderate
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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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 5 | 5 | 3 | 5 | 5 | 4 | 4 | 5 | 4 | |
| 5 W/kg | ANIMAL ID | 5 | 5 | 5 | 4 | 0 | 1 | 3 | 9 | 0 | 2 | 0 | 1 | 1 | 9 | 0 | 2 | 2 | 1 | 9 | 2 | 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 | | |
| | | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

Cardiomyopathy
Artery, Inflammation, Chronic Active
Myocardium, Inflammation, Chronic Active
Myocardium, Mineral
Myocardium, Necrosis
Valve, Thrombus

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | | | | | 2 | | | | | | | | | | | | 2 | | | | | |
| Hemorrhage | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Adrenal Medulla | + | M | + | + | + | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | + | M | M | + | + | M | + | + | M | + | + | M | + | + | M | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | I | |

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 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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
7 | 0
7 | 0
2 | 0
7 | 0
7 | 0
7 | 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 |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 5 | 5 | 3 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 0 |
| | | 5 | 5 | 5 | 4 | 0 | 1 | 3 | 9 | 0 | 2 | 0 | 1 | 1 | 9 | 0 | 2 | 1 | 9 | 2 | 0 | 0 | 0 | 3 | 1 | 5 | 4 | 5 | 0 | 0 |
| 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 |
| | | 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 |
| | | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 3 |

females
(cont...)

Infiltration Cellular, Lymphocyte Follicle, Cyst 1 X

GENERAL BODY SYSTEM

Tissue NOS +

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | | | | |
| Ovary | + | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | X | | | X | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | X | | | | | | | | | X | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenomyosis | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | | | | | 3 | | 3 | | | | 3 | | | | 3 | | | | | | | 3 | | | | 4 | | 3 | 2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arteriole, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 3 | 3 | 2 | 3 | | | | | | | | 2 | 2 | 3 | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

Bone Marrow +

* .. 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 1-4 .. Lesion qualified as:
 I .. Insufficient tissue BLANK .. Not examined microscopically 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 | females
(cont...) | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | ANIMAL ID | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 5 | 5 | 3 | 5 | 5 | 4 | 4 | 5 | | 4 | 4 |
| | 5 | 5 | 5 | 4 | 0 | 1 | 3 | 9 | 0 | 2 | 0 | 1 | 1 | 9 | 0 | 2 | 1 | 9 | 2 | 0 | 0 | 0 | 3 | 1 | 5 | 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 | |
| | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 3 | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | + | | | | | | + | | | | | | + | | + | | | | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | 3 | | | | | | 3 | | | | | | | 2 | | 2 | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Iliac, Pigment | | | | | | | 1 | | | | | | | | | | | | | | | 2 | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Lymph Node, Mandibular | | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | M | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | I | + | M | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | | | | | | 2 | | | | | 2 | | | | | | | | | | | | 1 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 3 | | | | | | | | | | | 2 | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Spleen | | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | | | | | | | 2 | | 1 | | | | | | 2 | | | | | | | 1 | | | | | 3 |
| Hyperplasia, Lymphoid | | | | | | 3 | | | | | 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

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CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | 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 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 5 W/kg | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 5 | 5 | 3 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | |
| | 5 | 5 | 5 | 4 | 0 | 1 | 3 | 9 | 0 | 2 | 0 | 1 | 1 | 9 | 0 | 2 | 1 | 9 | 2 | 0 | 0 | 3 | 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 | |
| | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | |

Capsule, Fibrosis

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | X | | | | | | | | | | X | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | 2 | | | | 4 | | | | | | | | | 2 | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Duct, Dilation | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Increased Bone | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | | | 1 | | | | 2 | | | | | | 1 | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineral | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | |
| 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

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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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 3 | 6 | 2 | 5 | 5 | 3 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 0 | 0 | | |
| 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 | |
| | | 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 | 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 | |
| | | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females (cont...)

Artery, Meninges, Inflammation, Chronic Active

Brain Trigeminal Ganglion

Nerve Trigeminal

Peripheral Nerve, Sciatic Axon, Degeneration

Spinal Cord Cyst, Squamous, Multiple

RESPIRATORY SYSTEM

Lung

Congestion Hemorrhage

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

Nose

Respiratory Epithelium, Accumulation, Hyaline Droplet

Trachea

SPECIAL SENSES SYSTEM

Eye

* .. 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 | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|---|
| | 0
7
4
5 | 0
7
4
5 | 0
7
4
5 | 0
7
4
0 | 0
7
4
1 | 0
7
5
3 | 0
7
4
9 | 0
2
1
0 | 0
7
7
5 | 0
7
5
2 | 0
7
5
0 | 0
7
5
1 | 0
7
3
6 | 0
7
5
2 | 0
7
5
1 | 0
7
3
9 | 0
7
5
2 | 0
7
5
0 | 0
7
4
3 | 0
7
4
1 | 0
7
5
4 | 0
7
4
5 | | | | |
| ANIMAL ID | 0
1
1
5
6 | 0
1
1
5
7 | 0
1
1
5
8 | 0
1
1
5
9 | 0
1
1
6
0 | 0
1
1
6
1 | 0
1
1
6
2 | 0
1
1
6
3 | 0
1
1
6
4 | 0
1
1
6
5 | 0
1
1
6
6 | 0
1
1
6
7 | 0
1
1
6
8 | 0
1
1
6
9 | 0
1
1
7
1 | 0
1
1
7
2 | 0
1
1
7
3 | 0
1
1
7
4 | 0
1
1
7
5 | 0
1
1
7
6 | 0
1
1
7
7 | 0
1
1
7
8 | 0
1
1
7
9 | | | |
| Harderian Gland
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Infarct | 2 | 3 | | | | 2 | | | 2 | 2 | | | | | 1 | 1 | | | 2 | | | 1 | | 3 | | |
| Metaplasia, Osseous | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | | | 2 | | | 1 | | | | 3 | | | 2 | | | 2 | | | 1 | 2 | | 2 | 1 | 1 | 2 | |
| Papilla, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | | |
| Angiectasis | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | 1 | 2 | 1 | 3 | 2 | 2 | | 2 | 2 | 3 | 1 | | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|----------|
| B6C3F1 MICE FEMALE | 5 W/kg | DAY ON TEST | 06777777 | 06540444 | 06777777 | 06540444 | 06777777 | 05593554 | 05593554 | 07577777 | 07577777 | 07577777 | 06676676 | 06676676 | 05765777 | 07777777 | 07777777 | 07777777 | 07777777 | 07777777 | 07777777 | 07777777 | 07777777 | | |
| | | ANIMAL ID | 01111111 | 01111111 | 01111111 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | | 00000000 |
| | | ANIMAL ID | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | 11111111 | | 11111111 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder Cyst | + | + | M | + | + | + | + | A | A | + | A | + | + | + | + | M | + | A | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | A | A | + | + | A | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | A | + | A | A | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | A | A | + | A | A | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | A | A | + | A | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Lymphocyte Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|---|
| B6C3F1 MICE FEMALE | 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 | 0 | | | | |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | | | |
| | | 6 | 5 | 4 | 0 | 4 | 4 | 4 | 9 | 3 | 5 | 5 | 4 | 4 | 4 | 4 | 9 | 5 | 9 | 1 | 4 | 4 | 4 | 4 | | 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 | | | |
| | | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | |
| | | 4 | 5 | 6 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 0 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|--|---|
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | + | | + | | | | | | | | | | | | | | | | | | + | + | | + | + | + | + | | | | + | | + | | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | 3 | 3 | | | 3 | | | | | | | | | | | | | | | | | | 3 | 3 | | | 2 | | 3 | 2 | | | | 3 | | 3 |
| Pancreas | + | + | + | + | + | + | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 | 2 | 2 | 2 | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 2 | | | | 2 | | 2 | 2 | 1 | | |
| Stomach, Forestomach | + | + | + | + | + | + | | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | | A | + | + | | A | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 - 75

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Cell Phone Radiation: CDMA

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0667 | 0777 | 0777 | 0777 | 0777 | 0777 | 0557 | 0557 | 0775 | 0775 | 0777 | 0777 | 0777 | 0666 | 0666 | 0777 | 0665 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | females
(cont...) |
| | | 6570 | 5444 | 4044 | 4444 | 4444 | 4444 | 9370 | 3330 | 5546 | 5544 | 4444 | 4444 | 4444 | 4446 | 9921 | 5991 | 9144 | 4443 | 4443 | 4445 | 5500 | 5522 | | |
| | 5 W/kg | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | |

Cardiomyopathy
 Artery, Inflammation, Chronic Active
 Myocardium, Inflammation, Chronic Active
 Myocardium, Mineral
 Myocardium, Necrosis
 Valve, Thrombus

1
 1
 2
 1
 2
 3

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Infiltration Cellular, Mixed Cell | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 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 | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | M | + | M | + | M | + | + | + | + | M | + | + | + | + | M | M | + | + | + | M | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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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 1-4 .. Lesion qualified as:
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Cell Phone Radiation: CDMA
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| B6C3F1 MICE FEMALE | 5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | |
|--------------------|--------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------------------|-------|-------|-------|-------|
| | | 06767 | 07747 | 07747 | 07747 | 07747 | 07747 | 07747 | 05757 | 05757 | 07757 | 07757 | 07757 | 07757 | 07757 | 06676 | 06676 | 07766 | 07766 | 05575 | 07777 | | | 07777 | 07777 | 07777 | 07777 |
| | | 06767 | 07747 | 07747 | 07747 | 07747 | 07747 | 07747 | 05757 | 05757 | 07757 | 07757 | 07757 | 07757 | 07757 | 06676 | 06676 | 07766 | 07766 | 05575 | 07777 | 07777 | 07777 | 07777 | 07777 | 07777 | 07777 |
| | | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 |

Infiltration Cellular, Lymphocyte
Follicle, Cyst

2

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | M | M | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenomyosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| Dilation | 3 | 3 | 2 | | | 4 | 3 | | | | | | | 4 | 3 | | 2 | 3 | 2 | | 2 | 3 | 3 | 4 | 2 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | 3 | | | | | | 3 | | | | | | | |
| Arteriole, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | 2 | | 2 | 2 | 3 | 2 | | 1 | 3 | | 2 | 3 | 2 | 2 | 1 | 3 | 2 | | 2 | | 2 | 3 | 3 |

HEMATOPOIETIC SYSTEM

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

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

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0667 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0557 | 0557 | 0777 | 0777 | 0777 | 0777 | 0667 | 0667 | 0777 | 0667 | 0557 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| | 0667 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0557 | 0557 | 0777 | 0777 | 0777 | 0777 | 0667 | 0667 | 0777 | 0667 | 0557 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| | 0777 | 0557 | 0446 | 0446 | 0446 | 0446 | 0446 | 0997 | 0333 | 0555 | 0444 | 0444 | 0444 | 0446 | 0992 | 0551 | 0991 | 0551 | 0444 | 0443 | 0443 | 0445 | 0550 | 0552 | 0552 | 0552 | |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | |
| | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | 1111 | |
| | 8884 | 8885 | 8886 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | 8889 | |
| Hypercellularity | | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Lymph Node | + | | | | | | | | + | + | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Mixed Cell | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | + | + | + | M | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | 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 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 | |
| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 6 | 5 | 4 | 0 | 4 | 4 | 4 | 9 | 3 | 5 | 5 | 4 | 4 | 4 | 4 | 9 | 5 | 9 | 1 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 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 | |
| | | 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 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 4 | 5 | 6 | 9 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 0 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 1 | 1 | 2 | 3 | 4 | 6 | | | |

females
(cont...)

Capsule, Fibrosis

3

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | 3 | 2 | | | | 2 | | | | | | | | |
| Cyst | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mineral | 1 | 2 | 1 | 1 | 1 | | 1 | | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | | 1 | 1 | 1 | 2 | 1 | | | | | 1 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Artery, Meninges, Inflammation, Chronic Active

Brain Trigeminal Ganglion

Nerve Trigeminal

Peripheral Nerve, Sciatic Axon, Degeneration

Spinal Cord Cyst, Squamous, Multiple

RESPIRATORY SYSTEM

Lung

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

Nose

Respiratory Epithelium, Accumulation, Hyaline Droplet

Trachea

SPECIAL SENSES SYSTEM

Eye

* .. 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 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0667 | 0777 | 0777 | 0777 | 0777 | 0777 | 0557 | 0557 | 0775 | 0775 | 0777 | 0777 | 0777 | 0666 | 0666 | 0777 | 0665 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | 0118 | |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 2 | 1 | 2 | 1 | 1 | 1 | 2 | | | | 1 | 1 | 1 | 1 | | 2 | 1 | 2 | | 1 | | 2 | 1 | 2 | 1 | 2 | 1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | | | 2 | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | 1 | | | | | | | | 2 | 4 | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | 2 | 2 | 2 | 2 | 2 | | 1 | | 2 | 1 | | 2 | | 1 | | 2 | | | | 2 | 1 | | 2 | 1 | 1 | | |
| Papilla, Mineral | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Renal Tubule, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 3 | 3 | 3 | 2 | 1 | 1 | 2 | | 1 | 2 | | | 2 | 2 | | 2 | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | 5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|--------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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ALIMENTARY SYSTEM

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | I |
| Gallbladder
Cyst | + | + | + | + | + | + | + | A | + | + | + | + | A | + | M | M | + | + | + | + | + | X | | | | | |
| Infiltration Cellular, Lymphocyte
Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Intestine Small, Ileum | + | + | + | + | A | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | 1 | | | 1 | | | | | 1 | | 1 | | | 1 | | 1 | | 1 | | | |
| Necrosis | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hypertrophy | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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...) | | | |
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Cardiomyopathy
 Artery, Inflammation, Chronic Active
 Myocardium, Inflammation, Chronic Active
 Myocardium, Mineral
 Myocardium, Necrosis
 Valve, Thrombus

2
1
2

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Bilateral, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | 1 | | | | | | | | | | | | | | | 3 | | | | | | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | M | M | M | + | + | + | M | I | + | + | + | + | + | + | + | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | 3 | | | | | | | | | | 2 | 2 | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | 2 | | | | 2 | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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

Table with columns for DAY ON TEST, ANIMAL ID, and rows for B6C3F1 MICE FEMALE, 5 W/kg. Includes a 'females (cont...)' label on the right.

Infiltration Cellular, Lymphocyte Follicle, Cyst

1 1 X 1

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Table with columns for Clitoral Gland, Ovary (Cyst, Infiltration Cellular, Mineral, Follicle, Cyst), Uterus (Adenomyosis, Angiectasis, Dilation, Inflammation, Mineral, Necrosis, Thrombus, Arteriole, Endometrium, Hyperplasia, Cystic) and rows of clinical findings (+, M, X, I).

HEMATOPOIETIC SYSTEM

Table with columns for Bone Marrow and a row of clinical findings (+, A).

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

Hypercellularity
 Hypocellularity

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

Lymph Node, Mandibular
 Hemorrhage
 Hyperplasia, Lymphoid
 Infiltration Cellular, Histiocyte

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

Spleen
 Extramedullary Hematopoiesis
 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 2 | 5 | 1 | 4 | 4 | 9 | 3 | 4 | 2 | 4 | 5 | 4 | 4 | 5 | 9 | 4 | 4 | 5 | 0 |
| 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 | |
| | | 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 | |
| | | 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 | |
| | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 7 | 8 | 9 | 0 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |

females
(cont...)

Capsule, Fibrosis

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Cyst | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Increased Bone | | | | | | | | | | 2 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 2 | | 1 | | | | | | | | | | | | | | | | 1 | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineral | 1 | 2 | | 2 | | | | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Harderian Gland | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | | | 1 | 2 | 1 | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct | 1 | | | | | | | 2 | 2 | 2 | | | 2 | 2 | | | | | 1 | | | 1 | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | |
| Interstitial Infiltration Cellular, Lymphocyte | | 1 | 2 | | | 2 | 1 | | 2 | 1 | | 2 | | 1 | | 1 | 1 | 1 | 2 | | 2 | 1 | 2 | | | |
| Papilla, Mineral | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Renal Tubule, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | 3 | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + | + | + | |
| Angiectasis | 2 | | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 2 | 2 | 1 | | | 1 | | | | 2 | 1 | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 5 | 3 | 2 | 3 | 1 | 5 |
| | | 5 | 0 | 0 | 4 | 9 | 6 | 1 | 0 | 5 | 1 | 9 | 5 | 9 | 6 | 0 |
| | | | | | | | | | | | | | | | | |
| 5 W/kg | ANIMAL ID | 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 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | | | | | | | | * TOTALS | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---------------|
| Esophagus | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 87 | |
| Gallbladder | + | + | M | + | + | + | + | M | + | + | + | A | + | + | + | 72 | |
| Cyst | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 2 1.0 |
| Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 84 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 76 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | 80 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | 3 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | 2 |
| Fatty Change | | | | | | | | | | | | | | | 3 | | 2 2.5 |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | 1 | 1 | | | | 2 | | 26 1.3 |
| Necrosis | | | | | | | | | | | | | | | | | 3 2.7 |
| Hepatocyte, Fatty Change, Focal | | | | | | | | | | | | | | | | | 1 2.0 |
| Hepatocyte, Hypertrophy | | | | | | | | | | | | | | | | | 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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2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|----|-----|
| | 0745 | 0744 | 0754 | 0774 | 0773 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | |
| | 01445 | 01124 | 01144 | 01144 | 01144 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | 01155 | | | |
| * TOTALS | | | | | | | | | | | | | | | | | | |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Mesentery | | | + | | + | | + | + | + | + | | | + | | + | | 34 | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Fat, Mineral | | | | | | | | | | | | | | | | | 2 | 1.5 |
| Fat, Necrosis | | | 2 | | 3 | | 3 | 3 | 2 | 3 | | | 3 | | 3 | | 30 | 2.6 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 85 | |
| Infiltration Cellular, Lymphocyte | | | | | | 1 | | | | 2 | | 1 | | 1 | | 1 | 21 | 1.4 |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | | 3 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 87 | |
| Infiltration Cellular, Lymphocyte | | | 2 | | | 1 | 2 | | | 1 | 1 | | 1 | | 2 | | 54 | 1.6 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 87 | |
| Cyst | | | | | | | | | | | | | | | | | 1 | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 85 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 2 | 2.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | |
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 | |
| Degeneration | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Inflammation, Acute | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | |
| Bacteria | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 5 W/kg | | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 5 | 3 | 2 | 3 | 1 | 5 | |
| | ANIMAL ID | 5 | 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 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | | |
|--|---|-----|
| Cardiomyopathy | 4 | 1.3 |
| Artery, Inflammation, Chronic Active | 1 | 2.0 |
| Myocardium, Inflammation, Chronic Active | 2 | 2.0 |
| Myocardium, Mineral | 1 | 1.0 |
| Myocardium, Necrosis | 1 | 2.0 |
| Valve, Thrombus | 1 | 3.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Adrenal Cortex | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | 2 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Bilateral, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 84 2.0 |
| Adrenal Medulla | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Hyperplasia | | | | | | | | | | | | | | | | 1 1.0 |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hyperplasia | | | | | | | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | 1 | | | | | | | | | 1 | 5 1.6 |
| Parathyroid Gland | | + | I | M | + | + | M | + | + | + | M | + | + | + | + | 65 |
| Pituitary Gland | | + | I | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | 4 2.5 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | 1 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | 2 | | | | | | | 4 2.0 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 5 | 3 | 2 | 3 | 1 | 5 | |
| | | 5 | 0 | 0 | 4 | 9 | 6 | 1 | 0 | 4 | 5 | 1 | 9 | 5 | 9 | 6 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 W/kg | ANIMAL ID | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | | | | | | | | | | | | | | | |

Infiltration Cellular, Lymphocyte
Follicle, Cyst

1 2

7 1.3
2

GENERAL BODY SYSTEM

Tissue NOS

1

GENITAL SYSTEM

Clitoral Gland

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

81

Ovary

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

84

Cyst

X X

7

Infiltration Cellular, Histiocyte

1 3.0

Mineral

1 2.0

Follicle, Cyst

X X

6

Uterus

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

88

Adenomyosis

1 3.0

Angiectasis

2

3 2.7

Dilation

2 2 3 3 4 3 3 3 3 4 3 3

44 2.9

Inflammation, Chronic Active

1 3.0

Mineral

1 2.0

Necrosis

1 3.0

Thrombus

3 3.3

Arteriole, Degeneration

1 4.0

Endometrium, Hyperplasia, Cystic

2 3 2 2 3 3 3 3 4 2 3

67 2.5

HEMATOPOIETIC SYSTEM

Bone Marrow

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

89

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|
| | 0
7
4
5 | 0
7
4
0 | 0
7
5
0 | 0
7
4
4 | 0
7
3
4 | 0
7
4
5 | 0
7
5
6 | 0
7
4
1 | 0
7
0
4 | 0
7
4
5 | 0
7
5
1 | 0
7
3
9 | 0
7
2
5 | 0
7
3
9 | 0
7
1
6 | | 0
7
5
0 |
| ANIMAL ID | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 0 | |
| Hypercellularity | 3 | | | | | | | | | | | | | | | 3 2.3 | |
| Hypocellularity | | | | | | | | | | | | | | | | 1 2.0 | |
| Lymph Node | | | | | | | | | | | | | | | | 18 | |
| Hemorrhage | | | | | | | | | | | | | | | | 1 3.0 | |
| Bronchial, Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | 3 3.7 | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 9 2.2 | |
| Iliac, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 2.0 | |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | 1 2.0 | |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 2.0 | |
| Iliac, Pigment | | | | | | | | | | | | | | | | 2 1.5 | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 1.0 | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 3.0 | |
| Lymph Node, Mandibular | + + I M + + + + + + + + + + + | | | | | | | | | | | | | | | 76 | |
| Hemorrhage | | | | | | | | | | | | | | | | 1 2.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 1 2.0 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 2.0 | |
| Lymph Node, Mesenteric | M + + + + + + + + M + + + M + | | | | | | | | | | | | | | | 75 | |
| Hemorrhage | | | | | | | | | | | | | | | | 6 2.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 4 2.5 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 2 2.0 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | 1 3.0 | |
| Spleen | + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 86 | |
| Extramedullary Hematopoiesis | 3 | | | | | | | | | | | | | | | 12 2.2 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 12 1.9 | |

* .. 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 - 75

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|-----------------------|-----|-----|
| | 0
7
4
5 | 0
7
4
0 | 0
7
5
0 | 0
7
4
4 | 0
7
3
9 | 0
7
4
6 | 0
7
5
1 | 0
7
4
0 | 0
7
5
4 | 0
7
4
5 | 0
7
5
1 | 0
7
3
9 | 0
7
2
5 | 0
7
3
1 | 0
7
1
6 | | 0
7
5
0 | | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | |
| | 0
1
2
4
5 | 0
1
2
4
6 | 0
1
2
4
7 | 0
1
2
4
8 | 0
1
2
4
9 | 0
1
2
5
0 | 0
1
2
5
1 | 0
1
2
5
2 | 0
1
2
5
3 | 0
1
2
5
4 | 0
1
2
5
5 | 0
1
2
5
6 | 0
1
2
5
7 | 0
1
2
5
8 | 0
1
2
5
9 | | 0
1
2
6
0 | | |
| * TOTALS | | | | | | | | | | | | | | | | | | | |
| Capsule, Fibrosis | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Thymus | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 82 | | |
| Atrophy | | | | | | | | | | | | | | | | 4 | 2.5 | | |
| Cyst | | | | | | | | | | | | | | | | 4 | | | |
| Hemorrhage | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 | 3.0 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Duct, Dilation | | | | | | | | | | | | | | | | 2 | 2.0 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Ulcer | | | | | | | | | | | | | | | | 4 | 4.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Increased Bone | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 2 | 11 | 1.4 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Mineral | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | | 1 | 1 | 1 | 2 | 2 | | 78 | 1.3 | |
| Necrosis | | | | | | | | | | | | | | | | 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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First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| | 0745 | 0744 | 0754 | 0774 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | |
| | 01445 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | 01144 | |
| | | | | | | | | | | | | | | | | * TOTALS |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 3.0 |
| Brain Trigeminal Ganglion | M | M | M | + | + | + | + | + | + | + | + | + | + | + | + | 75 |
| Nerve Trigeminal | + | + | + | + | M | + | + | M | + | + | M | M | + | + | M | 52 |
| Peripheral Nerve, Sciatic Axon, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Spinal Cord Cyst, Squamous, Multiple | | | | | | | | | | | | 2 | | | | 8 2.1 |
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| | | | | | | | | | | | | | | | | 1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Congestion | | | | | | | | | | | | | | | | 2 2.0 |
| Hemorrhage | | | | | 2 | | | | | | | | | | | 4 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 4 2.0 |
| Alveolar Epithelium, Hyperplasia, Focal | 1 | | | | | | | | | | | | | | | 3 1.7 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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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 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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 5 | 3 | 2 | 3 | 1 | 5 |
| | | 5 | 0 | 0 | 4 | 9 | 6 | 1 | 0 | 0 | 5 | 1 | 9 | 5 | 6 | 0 |
| | | | | | | | | | | | | | | | | |
| 5 W/kg | ANIMAL ID | 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 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

| | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 61 1.1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Infarct | | | | | | 2 | | | | 1 | | | | | | 23 1.7 |
| Metaplasia, Osseous | | | | | | | | X | | | | | | | | 2 |
| Nephropathy, Chronic Progressive | 1 | | | 1 | | | | | | | | | | | | 7 1.6 |
| Interstitial, Infiltration Cellular, Lymphocyte | | 2 | | | 1 | 1 | 1 | 1 | | | 1 | 1 | 2 | | | 50 1.5 |
| Papilla, Mineral | | | | | | | | | | | | | | | | 2 2.0 |
| Renal Tubule, Dilation | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | 1 3.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 83 |
| Angiectasis | | | | | | | | | | | | | | | | 6 2.0 |
| Infiltration Cellular, Lymphocyte | | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | | | | 1 | | 2 | 70 1.8 |
| Transitional Epithelium, Hyperplasia, Diffuse | | | | | | | | | | | | | | | | 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Species/Strain: MICE/B6C3F1

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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 | 0 | females
(cont...) |
| | | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 2 | 6 | 7 | 6 | 6 | 6 | 6 | |
| | | | 4 | 5 | 4 | 4 | 3 | 4 | 0 | 8 | 8 | 7 | 3 | 4 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 2 | 8 | 5 | 2 | 5 | 5 | 3 | |
| | | 6 | 1 | 4 | 6 | 9 | 3 | 2 | 4 | 5 | 9 | 9 | 0 | 0 | 1 | 0 | 3 | 3 | 3 | 0 | 5 | 4 | 0 | 2 | 3 | 3 | 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 | |
| | | | 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 | |
| | | | 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 | |
| | | | 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 | |
| | | | 6 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | 4 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |
| Gallbladder | + | + | + | + | + | + | + | + | M | M | M | + | + | + | + | + | + | A | + | + | A | + | + | A | A | A | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | A | + | + | A | A | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | A | A | + | + | A | A | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | A | A | + | + | A | A | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Fatty Change | | | | | | | 2 | | | | 2 | | | | | | | 1 | | 3 | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | 1 | | | 2 | | | | | 2 | | | | | | | | 2 | 2 | | | |
| Inflammation, Chronic Active | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 3 |
| Necrosis | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

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

Pancreas
 Infiltration Cellular, Lymphocyte
 Necrosis
 Acinus, Atrophy
 Duct, Cyst

Salivary Glands
 Infiltration Cellular, Lymphocyte

Stomach, Forestomach
 Epithelium, Hyperplasia, Focal

Stomach, Glandular

CARDIOVASCULAR SYSTEM

Aorta
 Thrombus

Heart
 Bacteria
 Cardiomyopathy
 Thrombus
 Myocardium, Fibrosis

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 2 | 6 | 7 | 6 | 6 |
| | | 4 | 5 | 4 | 4 | 3 | 4 | 0 | 8 | 8 | 7 | 3 | 4 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 8 | 5 | 2 | 5 |
| 10 W/kg | ANIMAL ID | 6 | 1 | 4 | 6 | 9 | 3 | 2 | 4 | 5 | 9 | 9 | 0 | 0 | 1 | 0 | 3 | 3 | 3 | 0 | 5 | 3 | 4 | 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 |
| | | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | |
| | 6 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | |

Iliac, Hemorrhage

Iliac, Hyperplasia, Lymphoid

Iliac, Infiltration Cellular, Mixed Cell

Mediastinal, Hyperplasia, Lymphoid

Mediastinal, Infiltration Cellular, Histiocyte

Pancreatic, Hyperplasia, Lymphoid

Renal, Hyperplasia, Lymphoid

Lymph Node, Mandibular

Hemorrhage

Hyperplasia, Lymphoid

Lymph Node, Mesenteric

Ectasia

Hemorrhage

Hyperplasia, Lymphoid

Infiltration Cellular, Histiocyte

Spleen

Extramedullary Hematopoiesis

Hyperplasia, Lymphoid

Thymus

Atrophy

Cyst

Hemorrhage

INTEGUMENTARY SYSTEM

Mammary Gland

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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
4
6 | 0
7
5
1 | 0
7
4
4 | 0
7
4
6 | 0
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9 | 0
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5 | 0
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9 | 0
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3
9 | 0
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0 | 0
7
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5 | 0
7
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0 | 0
7
4
3 | 0
7
4
3 | 0
5
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0 | 0
7
6
5 | 0
2
2
3 | 0
6
8
4 | 0
7
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0 | 0
6
2
2 | 0
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3 | | | |
| | | 0
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1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | 0
1 | | |

Duct, Dilatation

Skin
Ulcer
Epidermis, Hyperplasia, Focal
Hair Follicle, Atrophy
Subcutaneous Tissue, Fibrosis

MUSCULOSKELETAL SYSTEM

Bone
Fibro-Osseous Lesion

Skeletal Muscle
Degeneration
Infiltration Cellular, Lymphocyte

NERVOUS SYSTEM

Brain
Hemorrhage
Mineral
Artery, Meninges, Inflammation, Chronic Active

Brain Trigeminal Ganglion

Nerve Trigeminal

Peripheral Nerve, Sciatic
Axon, Degeneration

* .. 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 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 |
| | ANIMAL ID | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 2 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | | 4 | 5 | 4 | 4 | 3 | 4 | 0 | 8 | 8 | 7 | 3 | 4 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 2 | 8 | 5 | 2 | 5 | 5 | 3 | 3 | 3 | 3 | 3 |
| 10 W/kg | | | 6 | 1 | 4 | 6 | 9 | 3 | 2 | 4 | 5 | 9 | 0 | 1 | 0 | 3 | 3 | 0 | 5 | 3 | 4 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |

females (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst, Squamous, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Eye | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anterior Chamber, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Harderian Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 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 | 7 | 5 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 2 | 6 | 7 | 6 | | 6 |
| 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 | | |
| | | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | | |
| | | 6 | 8 | 9 | 0 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 |
| Interstitialium, Infiltration Cellular, Lymphocyte Medulla, Mineral Renal Tubule, Cyst Renal Tubule, Dilation | | 3 | 2 | 1 | 1 | 2 | 1 | | | | | | | 1 | 3 | | 1 | | 1 | | | | 2 | 1 | 2 | |
| Urinary Bladder Angiectasis Infiltration Cellular, Lymphocyte | | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| | | 2 | 2 | 1 | 2 | 2 | 1 | | | | | | | 2 | 2 | 2 | 3 | 2 | 2 | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

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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
10 W/kg | | DAY ON TEST | 0739 | 0740 | 0752 | 0769 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | | |
| | | ANIMAL ID | 01395 | 01396 | 01397 | 01398 | 01399 | 01400 | 01401 | 01402 | 01403 | 01404 | 01405 | 01406 | 01407 | 01408 | 01409 | 01410 | 01411 | 01412 | 01413 | 01414 | 01415 | 01416 | 01417 | 01418 | 01419 | 01420 | 01421 | 01422 | 01423 | 01424 | 01425 | 01426 | 01427 | 01428 | | |
| | | | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | females (cont...) |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | |
| Gallbladder
Infiltration Cellular, Lymphocyte | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | A | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Intestine Large, Cecum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Intestine Small, Duodenum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Intestine Small, Ileum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrilobular, 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 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 7 | |
| | | 3 | 4 | 5 | 6 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 7 | 5 | 4 | 4 | 5 | 4 | 5 | | 3 | 4 |
| | | 9 | 0 | 2 | 9 | 6 | 6 | 3 | 6 | 1 | 2 | 1 | 5 | 3 | 3 | 2 | 2 | 5 | 1 | 4 | 4 | 0 | 0 | 0 | | 9 | 5 |
| 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 | females
(cont...) | |
| | | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 2 |
| | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Infiltration Cellular, Lymphocyte | | | | | + | | | | + | | | | | | | | | + | + | + | | | | + | | |
| Fat, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Fat, Necrosis | | | | 2 | | | 3 | | 2 | | | | | | | | | 2 | 2 | | | | | 3 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | 1 | 1 | | | 1 | | | 1 | | | | | | 1 | | | | | | | | 1 | | | |
| Necrosis | | | | | | | | 2 | | | | | | | | | | | | | | | 2 | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | 1 | 2 | | | | 2 | 1 | 1 | | 1 | | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Bacteria | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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...) | |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|
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Myocardium, Inflammation, Acute
Myocardium, Mineral

2

ENDOCRINE SYSTEM

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Accessory Adrenal Cortical Nodule Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic, Focal Bilateral, Vacuolization Cytoplasmic Subcapsular, Hyperplasia | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | I | + | + | + | + | + | + | + | |
| Hyperplasia Infiltration Cellular, Lymphocyte | | | | 3 | | | | | 2 | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Angiectasis | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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...) |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
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NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Infiltration Cellular, Lymphocyte
Inflammation, Granulomatous | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Ovary
Cyst
Inflammation, Granulomatous
Follicle, Cyst
Granulosa Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | X | + | + | + | + | M |
| Uterus
Angiectasis
Dilation
Infiltration Cellular, Lymphocyte
Thrombus
Endometrium, Cyst
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + |
| | | 3 | 3 | | | 2 | | | 3 | | | | | | | | | | 3 | 3 | | | | 3 | |
| | 2 | | | 2 | 2 | 2 | 1 | 2 | 3 | | 3 | 2 | 2 | 3 | 2 | 2 | | | 3 | 3 | 4 | 2 | 2 | 3 | 1 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hypercellularity | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I |
| | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Lymph Node
Infiltration Cellular, Mixed Cell
Bronchial, 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
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 1) Minimal 3) Moderate
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Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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 |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 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 |
| | | 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 |
| | | 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 |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |

Iliac, Hemorrhage
 Iliac, Hyperplasia, Lymphoid
 Iliac, Infiltration Cellular, Mixed Cell
 Mediastinal, Hyperplasia, Lymphoid
 Mediastinal, Infiltration Cellular, Histiocyte
 Pancreatic, Hyperplasia, Lymphoid
 Renal, Hyperplasia, Lymphoid

2

Lymph Node, Mandibular
 Hemorrhage
 Hyperplasia, Lymphoid

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

2

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

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

1

4

2

Spleen
 Extramedullary Hematopoiesis
 Hyperplasia, Lymphoid

+ +

2

3

2

1

Thymus
 Atrophy
 Cyst
 Hemorrhage

+ +

X

INTEGUMENTARY SYSTEM

Mammary Gland

+ +

* .. 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 - 75

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 14:32:42

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 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...) |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

Duct, Dilatation

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Hair Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 2 | | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | M | M | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + |
| Nerve Trigeminal | + | + | M | + | + | + | M | + | + | + | + | + | M | M | M | + | + | + | M | + | + | M | M | M |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Axon, Degeneration | | | | | | | | | | | | | | | | | 1 | | | | | | | 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:

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | ANIMAL ID | females
(cont...) | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|--|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | | 3 | 4 | 5 | 6 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 7 | 5 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | | |
| | | 9 | 0 | 2 | 9 | 6 | 6 | 3 | 6 | 1 | 2 | 1 | 5 | 3 | 3 | 2 | 2 | 5 | 1 | 4 | 4 | 0 | 0 | 0 | 9 | 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 | | |
| | | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | |
| | | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | | |
| Interstitial, Infiltration Cellular, Lymphocyte
Medulla, Mineral | | 1 | 2 | 2 | 2 | | | 2 | | | | | | 2 | 2 | 1 | | 1 | 2 | 2 | | | 1 | | 2 | | | |
| Renal Tubule, Cyst | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 2 | 2 | 1 | 1 | | 2 | 3 | 2 | 2 | 2 | | 1 | 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

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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 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| 10 W/kg | ANIMAL ID | 4 | 5 | 5 | 5 | 8 | 5 | 4 | 4 | 8 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 5 | 7 | 4 | 7 | |
| | | 0 | 0 | 1 | 2 | 9 | 2 | 3 | 6 | 4 | 1 | 5 | 5 | 3 | 4 | 5 | 4 | 0 | 6 | 0 | 0 | 5 | 9 | 1 | 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 |
| | | 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 |
| | | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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...) | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Gallbladder
Infiltration Cellular, Lymphocyte | M | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A | | | | | | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrilobular, 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
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Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------------|------|
| | 0740 | 0745 | 0751 | 0752 | 0758 | 0759 | 0772 | 0773 | 0774 | 0775 | 0776 | 0777 | 0778 | 0779 | 0780 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | | | 0790 |
| 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 | 0
1
4
2
4 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mesentery | | | + | + | | | | + | + | | | | | + | | | | + | + | | | | | | + |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | 3 | | | 3 | 3 | | 2 | | | 3 | | | | 2 | 2 | | | 2 | | | 3 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | 2 | | 1 | | | | 1 | | | | | | | | | | 2 | | | | 2 | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | 1 | 2 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | 2 | | 1 | 1 | | 2 | 2 | 2 | 1 | | 1 | 1 | 2 | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | 1 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myocardium, Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

X .. Lesion present

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(cont...) |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | | |
| | 4 | 5 | 5 | 5 | 8 | 5 | 4 | 4 | 8 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 3 | 5 | 5 | 7 | 4 | | |
| | 0 | 0 | 1 | 2 | 9 | 2 | 3 | 6 | 4 | 1 | 5 | 5 | 3 | 4 | 5 | 4 | 0 | 6 | 0 | 0 | 5 | 4 | 9 | 1 | 1 | 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 | | |
| | 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 | | |
| | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | | |

Myocardium, Inflammation, Acute
 Myocardium, Mineral

2

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Parathyroid Gland | + | M | + | + | M | + | M | + | M | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Follicle, Cyst | | | | | | | | | | | X | | | | | | | | | X | | | | | | | | | |

GENERAL BODY 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

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

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Clitoral Gland | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Granulomatous | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granulosa Cell, Hyperplasia | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dilation | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 4 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Cyst | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 1 2 2 2 3 2 3 3 2 1 2 4 1 3 2 1 3 3 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypercellularity | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | + | + | | | | + | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, 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 - 75
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
 Time Report Requested: 14:32:42
 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...) | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | | |
| | | 4 | 5 | 5 | 5 | 8 | 5 | 4 | 4 | 8 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 5 | 7 | | |
| | | 0 | 0 | 1 | 2 | 9 | 2 | 3 | 6 | 4 | 1 | 5 | 5 | 3 | 4 | 5 | 4 | 4 | 0 | 6 | 0 | 5 | 4 | 0 | 9 | 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 | | |
| | | 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 | | |
| | | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 9 | 0 | | | |
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Iliac, Hyperplasia, Lymphoid | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mediastinal, Infiltration Cellular, Histiocyte | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | I | M | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | 2 | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Ectasia | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Extramedullary Hematopoiesis | | | 2 | 2 | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 2 | | | | 2 | 3 | | | | | | | | | |
| Thymus | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Mammary Gland | | + | + | + | + | + | + | + | + | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------------|
| | 07
40 | 07
45 | 07
51 | 07
52 | 06
79 | 07
22 | 07
33 | 07
46 | 06
74 | 07
13 | 07
44 | 07
55 | 07
64 | 07
74 | 07
85 | 07
94 | 07
05 | 07
16 | 07
26 | 07
37 | 07
48 | 07
59 | 07
67 | 06
76 | |
| 10 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| Duct, Dilatation | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Focal | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hair Follicle, Atrophy | 3 4 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | 1 2 2 1 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | 2 1 2 1 2 2 1 1 2 1 2 2 1 2 2 1 1 2 2 2 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Nerve Trigeminal | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve, Sciatic | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Axon, Degeneration | 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

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Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | | |
| | 4 | 5 | 5 | 5 | 8 | 5 | 4 | 4 | 8 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 5 | 7 | 0 | |
| | 0 | 0 | 1 | 2 | 9 | 2 | 3 | 6 | 4 | 1 | 5 | 5 | 3 | 4 | 5 | 4 | 0 | 6 | 0 | 5 | 0 | 5 | 9 | 1 | 4 | 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 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 9 | 0 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst, Squamous, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Congestion | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | | | 1 | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anterior Chamber, Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | 1 | 2 | 1 | | | 1 | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | 1 | | 1 | | 1 | 2 | 1 | 1 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infarct | | | | | | | | 2 | | | 2 | | 1 | | | | 1 | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Nephropathy, Chronic Progressive | | | | | | 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

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 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 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | 4 | 5 | 5 | 5 | 8 | 5 | 4 | 4 | 8 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 5 | 7 | |
| | 0 | 0 | 1 | 2 | 9 | 2 | 3 | 6 | 4 | 1 | 5 | 5 | 3 | 4 | 5 | 4 | 4 | 0 | 6 | 0 | 0 | 5 | 4 | 9 | 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 | |
| | 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 | |
| | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 9 | 0 | |
| Interstitial, Infiltration Cellular, Lymphocyte
Medulla, Mineral
Renal Tubule, Cyst
Renal Tubule, Dilatation | 1 | 2 | | 2 | | 2 | 1 | | | | 2 | | | | | 2 | 3 | 1 | 1 | 1 | 2 | 2 | | 2 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder
Angiectasis
Infiltration Cellular, Lymphocyte | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | 1 | 2 | | 2 | | 2 | | 2 | | 1 | | 2 | | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 | |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | | |
| 10 W/kg | | 0 | 4 | 4 | 4 | 0 | 5 | 5 | 4 | 4 | 4 | 5 | 3 | 9 | 4 | 4 | |
| | | 0 | 0 | 5 | 4 | 4 | 2 | 0 | 3 | 6 | 6 | 1 | 1 | 7 | 4 | 4 | |
| | ANIMAL ID | 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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|-----------|------------|
| Esophagus | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | 87 | | |
| Gallbladder | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | | 73 | | |
| Infiltration Cellular, Lymphocyte | | 1 | | | | | 1 | | | | | | | | | | | 3 | 1.3 |
| Intestine Large, Cecum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | | 81 | | |
| Intestine Large, Colon | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | | 86 | | |
| Intestine Large, Rectum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | | 88 | | |
| Intestine Small, Duodenum | A | + | + | + | A | + | + | + | + | + | + | + | A | + | + | | 77 | | |
| Intestine Small, Ileum | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | | 81 | | |
| Intestine Small, Jejunum | A | + | + | + | A | + | + | + | + | + | + | + | A | + | + | | 77 | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 90 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | 1 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | 2 | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Fatty Change | | | | | | | | | | | | 3 | | | | | | 9 | 2.2 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | 1 | | 1 | | 2 | 1 | | | | | | 24 | 1.4 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Necrosis | | | | | | | | | | | | | | | | | | 4 | 1.5 |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | 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

2) Mild 4) Marked

Experiment Number: 20105 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 0500 | 0704 | 0704 | 0704 | 0704 | 0705 | 0705 | 0704 | 0704 | 0706 | 0706 | 0701 | 0701 | 0507 | 0704 | |
| 10 W/kg | ANIMAL ID | | | | | | | | | | | | | | | |
| | 0145 | 0145 | 0114 | 0114 | 0111 | 0111 | 0111 | 0144 | 0144 | 0144 | 0144 | 0111 | 0111 | 0111 | 0144 | |
| | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Mesentery | | | | | | | | | | | | | | | | 24 |
| Fat, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 1 2.0 |
| Fat, Inflammation, Chronic | | | | | | | | | | | | | | | | 2 2.0 |
| Fat, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 2 2.5 |
| Fat, Necrosis | | | | | | | | | | | | | | | | 19 2.4 |

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Pancreas | | | | | | | | | | | | | | | | 84 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 19 1.5 |
| Necrosis | | | | | | | | | | | | | | | | 2 2.0 |
| Acinus, Atrophy | | | | | | | | | | | | | | | | 2 3.0 |
| Duct, Cyst | | | | | | | | | | | | | | | | 1 |

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Salivary Glands | | | | | | | | | | | | | | | | 89 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 60 1.5 |

| | | | | | | | | | | | | | | | | |
|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Stomach, Forestomach | | | | | | | | | | | | | | | | 87 |
| Epithelium, Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 2.0 |

| | | | | | | | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|
| Stomach, Glandular | | | | | | | | | | | | | | | | 83 |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Aorta | | | | | | | | | | | | | | | | 90 |
| Thrombus | | | | | | | | | | | | | | | | 1 3.0 |

| | | | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Heart | | | | | | | | | | | | | | | | 90 |
| Bacteria | | | | | | | | | | | | | | | | 2 |
| Cardiomyopathy | | | | | | | | | | | | | | | | 6 1.2 |
| Thrombus | | | | | | | | | | | | | | | | 2 3.0 |
| Myocardium, Fibrosis | | | | | | | | | | | | | | | | 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:

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Experiment Number: 20105 - 75

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Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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 |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| 10 W/kg | | 0 | 4 | 4 | 4 | 0 | 5 | 5 | 4 | 4 | 5 | 3 | 9 | 4 | 4 | 4 | 4 |
| | | 0 | 0 | 5 | 4 | 4 | 2 | 0 | 3 | 6 | 6 | 1 | 1 | 7 | 4 | 4 | 4 |
| | ANIMAL ID | 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 |
| | | 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 |
| | | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | |

Myocardium, Inflammation, Acute
Myocardium, Mineral

1

2 2.5
2 1.5

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | 3 1.7 |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 1.0 |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | | | | | | | 1 1.0 |
| Bilateral, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | 2 2.5 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 86 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 84 |
| Islets, Pancreatic | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Hyperplasia | | | | | | | | | | | | | | | | | 2 2.5 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 1.0 |
| Parathyroid Gland | M | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | 68 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 3.0 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | 1 | | | | | 2 1.5 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | 2 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | | | | 2 | 6 2.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 5 1.4 |
| Follicle, Cyst | | | | | | | | 1 | | | | | | | | | 3 |

GENERAL BODY 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:
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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 |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| 10 W/kg | | 0 | 4 | 4 | 4 | 0 | 5 | 5 | 4 | 4 | 5 | 3 | 9 | 4 | 4 | 4 | 4 |
| | | 0 | 0 | 5 | 4 | 4 | 2 | 0 | 3 | 6 | 6 | 1 | 1 | 7 | 4 | 4 | 4 |
| | ANIMAL ID | 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 |
| | | 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 |
| | | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | |

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Clitoral Gland | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | 82 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Ovary | + | I | + | + | + | + | + | + | + | + | I | I | + | + | + | 83 | | |
| Cyst | | | | | | | | | | | | | | | | | 4 | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Follicle, Cyst | | | | | | | | | | | | | | | | | 8 | |
| Granulosa Cell, Hyperplasia | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | | |
| Angiectasis | | | | | | | | | | | | | | | | | 4 | 3.0 |
| Dilation | 3 | 3 | 2 | 2 | 3 | | | | 3 | 1 | | | 3 | | | | 37 | 2.9 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Thrombus | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Endometrium, Cyst | | | | | | | | | | | | | | | | | 2 | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | 68 | 2.2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | | |
| Hypercellularity | | | | | | | | | | | | | | | | | 4 | 2.3 |
| Lymph Node | | | | | | | | | | | | | | | | 18 | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Bronchial, 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

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BLANK .. Not examined microscopically

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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 |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
| 10 W/kg | | 0 | 4 | 4 | 4 | 0 | 5 | 5 | 4 | 4 | 4 | 5 | 3 | 9 | 4 | 4 | 4 |
| | | 0 | 0 | 5 | 4 | 4 | 2 | 0 | 3 | 6 | 6 | 1 | 1 | 7 | 4 | 4 | 4 |
| | ANIMAL ID | 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 |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Iliac, Hemorrhage | | | | | | | | | | | | | | | | | | 1 4.0 |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 4 1.8 |
| Iliac, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 3 2.0 |
| Mediastinal, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 1 4.0 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 2 2.5 |

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|--|--|
| Lymph Node, Mandibular | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 73 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | 2 2.0 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 2 2.5 | | |

| | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--------------|--|--|
| Lymph Node, Mesenteric | M | + | + | + | M | + | + | + | + | + | + | + | M | + | M | | | 81 | | |
| Ectasia | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | 3 1.7 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 4 3.0 | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | 4 2.0 | | |

| | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|--|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
| Extramedullary Hematopoiesis | 2 | | 2 | 2 | | | | | | | | 3 | | | | 2 | | 16 2.3 | | |
| Hyperplasia, Lymphoid | | 2 | | | | | | | 3 | | 3 | | | | | | | 14 2.6 | | |

| | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--------------|--|--|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | | | 82 | | |
| Atrophy | | | | | | | | | | | | 4 | | | | | | 2 3.5 | | |
| Cyst | | X | | X | | | | | | | | | | | | | | 6 | | |
| Hemorrhage | | | | | | | 2 | | | | | | | | | | | 2 1.5 | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|

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

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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 - 75

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017

Time Report Requested: 14:32:42

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

Lab: IIT

| B6C3F1 MICE FEMALE
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | |
|--|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|-----|
| | 0
5
0
0 | 0
7
4
0 | 0
7
4
0 | 0
7
4
4 | 0
7
4
4 | 0
7
5
2 | 0
7
5
0 | 0
7
5
3 | 0
7
4
6 | 0
7
4
6 | 0
7
5
1 | 0
7
3
1 | 0
5
9
4 | 0
7
4
4 | 0
7
4
4 | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | |
| | 0
1
4
5
1 | 0
1
4
5
2 | 0
1
4
5
3 | 0
1
4
5
4 | 0
1
4
5
5 | 0
1
4
5
8 | 0
1
4
5
9 | 0
1
4
5
0 | 0
1
4
6
1 | 0
1
4
6
2 | 0
1
4
6
3 | 0
1
4
6
5 | 0
1
4
6
6 | 0
1
4
6
8 | 0
1
4
6
0 | | |
| * TOTALS | | | | | | | | | | | | | | | | | |
| Duct, Dilation | 2 | | | | | | | | | | | | | | | 2 | 2.0 |
| Skin | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | |
| Ulcer | | | | | | | | | | | | | | | | 1 | 1.0 |
| Epidermis, Hyperplasia, Focal | | | | | | | | | | | | | | | | 1 | 3.0 |
| Hair Follicle, Atrophy | 3 3 | | | | | | | | | | | | | | | 5 | 3.2 |
| Subcutaneous Tissue, Fibrosis | | | | | | | | | | | | | | | | 1 | 2.0 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | |
| Bone | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 89 | |
| Fibro-Osseous Lesion | 2 | | | | | | | | | | | | | | | 2 | 2.5 |
| Skeletal Muscle | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | |
| Degeneration | 2 | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 9 | 1.3 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | |
| Brain | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 90 | |
| Hemorrhage | 1 | | | | | | | | | | | | | | | 2 | 1.5 |
| Mineral | 2 2 1 2 2 2 1 1 2 2 | | | | | | | | | | | | | | | 74 | 1.5 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | 1 | 2.0 |
| Brain Trigeminal Ganglion | + + M + M M + + + + + + + + + | | | | | | | | | | | | | | | 74 | |
| Nerve Trigeminal | + M + + + + M M M M M M + + + | | | | | | | | | | | | | | | 51 | |
| Peripheral Nerve, Sciatic | + + + + + + + + + + + + + + + | | | | | | | | | | | | | | | 88 | |
| Axon, Degeneration | 2 1 1 | | | | | | | | | | | | | | | 11 | 1.6 |

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+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Experiment Number: 20105 - 75

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

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
10 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----|--------|
| | 0
5
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0 | 0
7
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0 | 0
7
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0 | 0
7
4
4 | 0
7
4
4 | 0
7
0
2 | 0
7
5
0 | 0
7
5
3 | 0
7
4
6 | 0
7
4
4 | 0
7
5
1 | 0
7
3
1 | 0
5
9
4 | 0
7
4
4 | 0
7
4
4 | | |
| ANIMAL ID | 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 | | |
| | 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 | | |
| | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | | |
| * TOTALS | | | | | | | | | | | | | | | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Cyst, Squamous, Multiple | | X | | | | | | | | | | | | | | | 1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Congestion | | | | | | | | | | | | | 2 | | | | 4 2.3 |
| Hemorrhage | | | | | | | | | | | | | | | | | 4 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 2 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia, Focal | | | | | | 2 | | | | | | | | | | | 3 1.3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Trachea | + | + | + | + | + | + | | M | + | + | + | + | + | + | + | 88 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | 1 |
| Anterior Chamber, Inflammation, Acute | | | | | | | | | | | | 4 | | | | | 1 4.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Infiltration Cellular, Lymphocyte | 1 | 2 | | 1 | 1 | | 1 | | | 1 | 1 | | 2 | 1 | 1 | | 64 1.1 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Infarct | | 3 | | | | | | 3 | | | 1 | | | | 2 | | 17 1.8 |
| Metaplasia, Osseous | | | | | | X | | | | | | | | | | | 2 |
| Nephropathy, Chronic Progressive | | | | 1 | | | | | | | | 1 | | | | | 7 1.4 |

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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 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | |
| | | 0 | 4 | 4 | 4 | 0 | 5 | 5 | 4 | 4 | 5 | 3 | 9 | 4 | 4 | | | |
| | | 0 | 0 | 5 | 4 | 4 | 2 | 0 | 3 | 6 | 6 | 1 | 1 | 7 | 4 | 4 | | |
| | | 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 | | |
| | | 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 | | |
| | | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 0 | | |
| | | | | | | | | | | | | | | | | | | |
| Interstitial, Infiltration Cellular, Lymphocyte | | 2 | 1 | 1 | | 2 | 2 | 2 | | | 2 | 1 | | | 2 | | | 50 1.7 |
| Medulla, Mineral | | | | | | | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | 1 |
| Renal Tubule, Dilation | | | | | | | | | | | | | | | | | | 1 1.0 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 85 |
| Angiectasis | | | | | | 2 | | | | | | | | | | | | 2 2.0 |
| Infiltration Cellular, Lymphocyte | | 1 | 2 | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | | | 3 | | | 65 1.7 |

*** END OF REPORT ***

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