

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
Time Report Requested: 13:43:11
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

Final 1 Revision 1 - GSM Mice Core Study

NTP Study Number:	C20105		
Lock Date:	04/07/2016		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25023 MISS	25022 ACCK	25021 TSAC
	25020 NATD	25019 MSAC	
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	3.0.2.3_002		
PWG Approval Date:	NONE		

Note: Animals arranged according to days on test.

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

ALIMENTARY SYSTEM

Esophagus	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	M	+	A	M	+	+	M	A	A	+	+	A	+	M	+	+	+	M	+	M	+	+	+	A	+	
Intestine Large, Cecum	A	+	A	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	A	A	+	A	A	+	
Intestine Large, Colon	A	+	+	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	A	+	
Intestine Large, Rectum	A	+	+	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	
Intestine Small, Duodenum Adenocarcinoma	A	M	A	A	+	+	A	+	A	+	+	+	+	A	+	+	+	+	A	M	A	+	A	A	+	
Intestine Small, Ileum	A	+	+	A	+	+	M	+	A	+	+	A	+	+	+	+	+	+	+	A	A	+	A	A	+	
Intestine Small, Jejunum Adenocarcinoma	A	+	+	A	+	+	A	A	A	+	+	A	+	+	+	+	+	+	A	+	A	A	+	A	A	+
Hepatocellular Carcinoma, Metastatic, Liver																				X						
Liver Hemangiosarcoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hepatoblastoma																									X	
Hepatocellular Adenoma				X	X			X			X						X									
Hepatocellular Adenoma, Multiple												X				X										
Hepatocellular Carcinoma										X			X	X	X				X	X	X	X		X	X	
Hepatocellular Carcinoma, Multiple																							X			
Hepatocholangiocarcinoma									X																	
Malignant Fibrous Histiocytoma, Metastatic, Skin																X										
Mesentery				+					+						+									+		

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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Time Report Requested: 13:43:11

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

Hemangiosarcoma

X

Malignant Fibrous Histiocytoma, Metastatic, Skin

X

Fat, Hepatocholangiocarcinoma, Metastatic, Liver

X

Fat, Lipoma

Pancreas

+ + + A + + + + + + + + M + + + + + + + + + +

Hepatocholangiocarcinoma, Metastatic, Liver

X

Salivary Glands

+ +

Stomach, Forestomach

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

Stomach, Glandular

+ + A M +

Malignant Fibrous Histiocytoma, Metastatic, Skin

X

Tooth

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

CARDIOVASCULAR SYSTEM

Aorta

+ +

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

X

Blood Vessel

Heart

+ +

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

X

Hepatocholangiocarcinoma, Metastatic, Liver

X

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 Lab: IIT

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

ENDOCRINE SYSTEM

Adrenal Cortex
 Bilateral, Malignant Fibrous Histiocytoma,
 Metastatic, Skin

+
 X

Adrenal Medulla

+ +

Islets, Pancreatic

+ + + A +

Parathyroid Gland

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

Pituitary Gland

+ + + + I + I + + + + + + + + + + + + + + + + +

Thyroid Gland

M +

GENERAL BODY SYSTEM

Peritoneum
 Hepatocholangiocarcinoma, Metastatic, Liver

+
 X

GENITAL SYSTEM

Coagulating Gland

+ +

Epididymis

+ +

Preputial Gland

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

Prostate

+ +

Seminal Vesicle
 Fibroma

+
 X

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| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 008 | 002 | 003 | 003 | 004 | 004 | 004 | 005 | 005 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 007 | 007 | 007 | 007 | 007 | 007 | | |
| 0 W/kg | 008 | 002 | 003 | 003 | 004 | 004 | 004 | 005 | 005 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 006 | 007 | 007 | 007 | 007 | 007 | 007 | | |
| | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | |
| | 006 | 001 | 003 | 009 | 009 | 005 | 002 | 000 | 000 | 003 | 005 | 008 | 006 | 003 | 003 | 002 | 005 | 004 | 001 | 004 | 008 | 009 | 008 | 002 | | |
| | 009 | 001 | 003 | 002 | 004 | 000 | 009 | 008 | 001 | 006 | 001 | 005 | 007 | 007 | 008 | 004 | 003 | 006 | 002 | 006 | 007 | 001 | 005 | 003 | | |

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

X

MUSCULOSKELETAL SYSTEM

Bone

+ +

Skeletal Muscle

+ +

Hepatocellular Carcinoma, Metastatic, Liver

X

Hepatocholangiocarcinoma, Metastatic, Liver

X

Malignant Fibrous Histiocytoma, Metastatic, Skin

X

Sarcoma

X

NERVOUS SYSTEM

Brain

+ +

Hepatocholangiocarcinoma, Metastatic, Liver

X

Brain Trigeminal Ganglion

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

Nerve Trigeminal

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

Peripheral Nerve, Sciatic

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

Spinal Cord

+ +

RESPIRATORY SYSTEM

Lung

+ +

Alveolar/Bronchiolar Adenoma

X

Alveolar/Bronchiolar Adenoma, Multiple

X

Alveolar/Bronchiolar Carcinoma

X

Alveolar/Bronchiolar Carcinoma, Multiple

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

Hepatoblastoma, Metastatic, Liver
 Hepatocellular Carcinoma, Metastatic, Liver
 Hepatocholangiocarcinoma, Metastatic, Liver

X
 X
 X X X X X X
 X

Nose
 Trachea

+
 +

SPECIAL SENSES SYSTEM

Eye
 Harderian Gland
 Adenocarcinoma
 Adenoma

+
 + + + + + + + + + + + + M I + + + + + + + + + + + +
 X

URINARY SYSTEM

Kidney
 Hepatocellular Carcinoma, Metastatic, Liver
 Hepatocholangiocarcinoma, Metastatic, Liver
 Malignant Fibrous Histiocytoma, Metastatic, Skin
 Urinary Bladder

+
 X
 X
 X
 + + + + M + + + + + + A + + + + + + + A + + + +

SYSTEMIC LESIONS

Multiple Organ
 Lymphoma Malignant
 Mast Cell Tumor

+
 X
 X
 X

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

Hemangiosarcoma
Malignant Fibrous Histiocytoma, Metastatic, Skin
Fat, Hepatocholangiocarcinoma, Metastatic, Liver
Fat, Lipoma

Pancreas
Hepatocholangiocarcinoma, Metastatic, Liver

Salivary Glands

Stomach, Forestomach

Stomach, Glandular
Malignant Fibrous Histiocytoma, Metastatic, Skin

Tooth

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

CARDIOVASCULAR SYSTEM

Aorta
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

Blood Vessel

Heart
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung
Hepatocholangiocarcinoma, Metastatic, Liver

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

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

Malignant Fibrous Histiocytoma, Metastatic, Skin

Testis
Interstitial Cell, Adenoma

+
X X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node
Axillary, Hepatocholangiocarcinoma, Metastatic, Liver

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

Lymph Node, Mesenteric
Hemangioma
Malignant Fibrous Histiocytoma, Metastatic, Skin

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

Spleen

+ +

Thymus

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

INTEGUMENTARY SYSTEM

Mammary Gland

M + M M

Skin
Pilomatixoma
Subcutaneous Tissue, Hemangiosarcoma
Subcutaneous Tissue, Lipoma

+
X

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+ .. Tissue examined microscopically
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I .. Insufficient tissue

M .. Missing 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 | males
(cont...) |
| | 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 | |
| 0 W/kg | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 4 | 4 | 6 | 7 | 9 | 0 | 0 | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 1 | 1 | 3 | 4 | 5 | 7 | 7 | 9 | 0 |
| | 5 | 3 | 4 | 4 | 3 | 3 | 0 | 4 | 3 | 3 | 8 | 2 | 8 | 0 | 6 | 4 | 9 | 1 | 1 | 7 | 2 | 4 | 5 | 7 | |

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | M | + | + | + | + | + | + |
| Nerve Trigeminal | + | + | + | + | + | M | M | + | + | M | M | M | M | M | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | X | | | | X | | | X | | | | | | X | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | X | X | X | | | X | | | | | | X | X | X | | | X | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|
| | | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | | 0729 | 0729 |
| 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 4 | 4 | 6 | 7 | 9 | 0 | 0 | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 1 | 1 | 3 | 4 | 5 | 7 | 7 | |
| | | 5 | 3 | 4 | 4 | 3 | 3 | 0 | 4 | 3 | 3 | 8 | 2 | 8 | 0 | 6 | 4 | 9 | 1 | 1 | 7 | 2 | 4 | |

Hepatoblastoma, Metastatic, Liver
 Hepatocellular Carcinoma, Metastatic, Liver
 Hepatocholangiocarcinoma, Metastatic, Liver

X X

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | X | | | | | | | | | X | | | | |
| Adenoma | X | | | | | | | X | | | | | | | X | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | |
| Mast Cell Tumor | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE
0 W/kg | DAY ON TEST | 0732 | 0732 | 0732 | 0732 | 0732 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0733 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0737 | 0737 | 0737 | 0737 | 0737 | |
| | ANIMAL ID | 00035 | 00056 | 00061 | 00062 | 00075 | 00082 | 00090 | 00099 | 00095 | 00077 | 00088 | 00083 | 00042 | 00055 | 00022 | 00044 | 00057 | 00077 | 00091 | 00013 | 00077 | 00088 | 00023 | 00009 |
| males (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Adenocarcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Adenocarcinoma
Hepatocellular Carcinoma, Metastatic, Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | | |
| Liver
Hemangiosarcoma
Hepatoblastoma
Hepatocellular Adenoma
Hepatocellular Adenoma, Multiple
Hepatocellular Carcinoma
Hepatocellular Carcinoma, Multiple
Hepatocholangiocarcinoma
Malignant Fibrous Histiocytoma, Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | X | | | | | | | | | | | | | | | | | | X | | | | | | | |
| | X | X | X | X | X | | | | | X | X | X | X | X | X | X | | | X | | | X | | | | |
| | X | X | | | | | | | | X | X | X | | | | | | | | | | X | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | | | | | | | | | | | | | | + | + | | | | | + | | | | + | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | 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 | males
(cont...) |
| | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Hemangiosarcoma
Malignant Fibrous Histiocytoma, Metastatic, Skin
Fat, Hepatocholangiocarcinoma, Metastatic, Liver
Fat, Lipoma

Pancreas
Hepatocholangiocarcinoma, Metastatic, Liver

Salivary Glands

Stomach, Forestomach

Stomach, Glandular
Malignant Fibrous Histiocytoma, Metastatic, Skin

Tooth

CARDIOVASCULAR SYSTEM

Aorta
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

Blood Vessel

Heart
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung
Hepatocholangiocarcinoma, Metastatic, Liver

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Bilateral, Malignant Fibrous Histiocytoma,
Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | M | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum
Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | + | + | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle
Fibroma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | 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 | males
(cont...) |
| | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | |

Malignant Fibrous Histiocytoma, Metastatic, Skin

Testis
Interstitial Cell, Adenoma

HEMATOPOIETIC SYSTEM

Bone Marrow

Lymph Node
Axillary, Hepatocholangiocarcinoma, Metastatic, Liver

Lymph Node, Mandibular

Lymph Node, Mesenteric
Hemangioma
Malignant Fibrous Histiocytoma, Metastatic, Skin

Spleen

Thymus

INTEGUMENTARY SYSTEM

Mammary Gland

Skin
Pilomatixoma
Subcutaneous Tissue, Hemangiosarcoma
Subcutaneous Tissue, Lipoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

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

Lab: IIT

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

males
(cont...)

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | M | M | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | |
| Nerve Trigeminal | + | + | + | + | + | M | + | + | + | + | M | M | + | + | M | + | M | + | + | + | + | + | + | + | M | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | X | | | | | | | | | X | | | | | | | | X | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | X | | | | | | | | | X | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| B6C3F1 MICE MALE | DAY ON TEST | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | |
| | 0 W/kg | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | |
| | ANIMAL ID | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 | 00356 |

Hepatoblastoma, Metastatic, Liver
 Hepatocellular Carcinoma, Metastatic, Liver
 Hepatocholangiocarcinoma, Metastatic, Liver

X

X

Nose

+ +

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Harderian Gland

+ +

Adenocarcinoma
 Adenoma

X

X

URINARY SYSTEM

Kidney

+ +

Hepatocellular Carcinoma, Metastatic, Liver
 Hepatocholangiocarcinoma, Metastatic, Liver
 Malignant Fibrous Histiocytoma, Metastatic,
 Skin

Urinary Bladder

+ +

SYSTEMIC LESIONS

Multiple Organ

+ +

Lymphoma Malignant
 Mast Cell Tumor

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Gallbladder | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | 73 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 77 |
| Adenocarcinoma | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 |
| Adenocarcinoma | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |
| Hepatoblastoma | | | | | | X | | | | | | | | | X | 6 |
| Hepatocellular Adenoma | X | | | X | | | | | | | X | X | X | | | 25 |
| Hepatocellular Adenoma, Multiple | | | X | | X | | X | X | | | | | | X | X | 27 |
| Hepatocellular Carcinoma | | | | X | | | | X | | X | | | | | | 26 |
| Hepatocellular Carcinoma, Multiple | X | | | | | | | | | | | | | | | 2 |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | 1 |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | | + | | | | | + | | 12 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|---|
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | 1 |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 1 |
| Fat, Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | 1 |
| Fat, Lipoma | | | | | | | | | | X | | | | | | | | 1 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | 1 |

| | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | | 87 |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | 1 |

| | | | | | | | | | | | | | | | | | | |
|-------|--|--|---|--|--|---|--|--|--|---|---|--|--|--|---|---|--|----|
| Tooth | | | + | | | + | | | | + | + | | | | + | + | | 27 |
|-------|--|--|---|--|--|---|--|--|--|---|---|--|--|--|---|---|--|----|

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | 1 |

| | | | | | | | | | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Blood Vessel | | | | | | | | | | | | | | | | | | 1 |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

| | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Bilateral, Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | + | M | + | + | M | | 68 |
| Pituitary Gland | + | + | + | + | + | + | + | M | I | + | + | + | + | + | + | 86 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| Peritoneum | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Coagulating Gland | | | | | | | | | | | | | | | | 2 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Fibroma | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Malignant Fibrous Histiocytoma, Metastatic, Skin

1

Testis
Interstitial Cell, Adenoma

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

90

2

HEMATOPOIETIC SYSTEM

Bone Marrow

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

90

Lymph Node
Axillary, Hepatocholangiocarcinoma, Metastatic, Liver

+

6

1

Lymph Node, Mandibular

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

72

Lymph Node, Mesenteric
Hemangioma
Malignant Fibrous Histiocytoma, Metastatic, Skin

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

85

1

1

Spleen

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

87

Thymus

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

75

INTEGUMENTARY SYSTEM

Mammary Gland

M M M M M M M M M M M M M M M

2

Skin
Pilomatrixoma
Subcutaneous Tissue, Hemangiosarcoma
Subcutaneous Tissue, Lipoma

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

90

1

1

1

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

1

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Sarcoma | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Brain Trigeminal Ganglion | + | + | + | M | + | + | M | + | + | + | + | + | M | + | + | 69 |
| Nerve Trigeminal | + | + | M | M | + | M | + | + | + | + | M | M | M | + | + | 67 |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | X | | | | | | | 11 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | 2 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | X | | | X | | | 11 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

| | |
|---|----|
| Hepatoblastoma, Metastatic, Liver | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | 11 |
| Hepatocholangiocarcinoma, Metastatic, Liver | 1 |

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

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

SPECIAL SENSES SYSTEM

| | | |
|-----|-------------------------------|----|
| Eye | + + + + + + + + + + + + + + + | 90 |
|-----|-------------------------------|----|

| | | |
|-----------------|-------------------------------|----|
| Harderian Gland | + + + + + + + + + + + + + + + | 88 |
|-----------------|-------------------------------|----|

| | | |
|----------------|--|---|
| Adenocarcinoma | | 3 |
|----------------|--|---|

| | | |
|---------|---|---|
| Adenoma | X | 6 |
|---------|---|---|

URINARY SYSTEM

| | | |
|--------|-------------------------------|----|
| Kidney | + + + + + + + + + + + + + + + | 90 |
|--------|-------------------------------|----|

| | | |
|---|--|---|
| Hepatocellular Carcinoma, Metastatic, Liver | | 1 |
|---|--|---|

| | | |
|---|--|---|
| Hepatocholangiocarcinoma, Metastatic, Liver | | 1 |
|---|--|---|

| | | |
|--|--|---|
| Malignant Fibrous Histiocytoma, Metastatic, Skin | | 1 |
|--|--|---|

| | | |
|-----------------|-------------------------------|----|
| Urinary Bladder | + + + + + + + + + + + + + + + | 87 |
|-----------------|-------------------------------|----|

SYSTEMIC LESIONS

| | | |
|----------------|-------------------------------|----|
| Multiple Organ | + + + + + + + + + + + + + + + | 90 |
|----------------|-------------------------------|----|

| | | |
|--------------------|--|---|
| Lymphoma Malignant | | 6 |
|--------------------|--|---|

| | | |
|-----------------|---|---|
| Mast Cell Tumor | X | 1 |
|-----------------|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| B6C3F1 MICE MALE | DAY ON TEST | 0033 | 0052 | 0053 | 0054 | 0057 | 0059 | 0060 | 0061 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0066 | 0067 | 0067 | 0067 | |
| | ANIMAL ID | 00291 | 00267 | 00207 | 00205 | 00205 | 00204 | 00203 | 00202 | 00202 | 00202 | 00202 | 00202 | 00202 | 00202 | 00202 | 00202 | 00203 | 00202 | 00202 | 00203 | 00203 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | + | A | + | + | + | A | + | A | A | + | + | + | A | + | + | M | M | M | A | + | + | + | M | + |
| Intestine Large, Cecum | A | + | + | + | A | + | + | A | A | + | + | + | A | + | + | A | + | A | A | + | + | A | A | + |
| Intestine Large, Colon | A | + | + | + | + | + | + | A | A | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + |
| Intestine Large, Rectum | A | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Duodenum
Adenocarcinoma | A | M | + | A | A | + | + | A | A | A | + | + | + | + | + | A | + | M | A | + | + | M | A | + |
| Intestine Small, Ileum | A | + | M | + | A | + | + | A | + | A | + | + | + | + | + | A | + | A | A | + | + | + | A | + |
| Intestine Small, Jejunum
Hepatocarcinoma, Metastatic, Liver | A | A | A | A | A | A | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | X | X | | | | | |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | X | | | | X | | | | | | | X | X | | | | | | | X | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | X | | | | | X | X |
| Hepatocellular Carcinoma | | | | | X | X | X | | | | | | | X | X | | | X | | | | X | | X |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | X | |
| Hepatocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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Experiment Number: 20105 - 78
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Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
Time Report Requested: 13:43:11
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 | ANIMAL ID | |
|----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | 0 | 3 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 4 | 3 | 3 | 7 | 2 | 4 | 7 | 9 | 7 | 8 | 9 | 0 | 0 | 1 | 6 | 3 | 7 | 7 | 2 | 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 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 0 | |
| | | 9 | 1 | 6 | 7 | 7 | 1 | 9 | 0 | 6 | 4 | 4 | 3 | 5 | 6 | 6 | 8 | 1 | 1 | 3 | 8 | 0 | 0 | 0 | |
| | | 1 | 7 | 2 | 7 | 5 | 5 | 4 | 3 | 1 | 9 | 6 | 2 | 6 | 0 | 6 | 2 | 2 | 1 | 7 | 7 | 8 | 9 | 0 | males
(cont...) |

Fat, Hepatocholangiocarcinoma, Metastatic, Liver

X

Pancreas
Hepatocholangiocarcinoma, Metastatic, Liver

+ + + + M +
X X

Salivary Glands

+ +

Stomach, Forestomach
Squamous Cell Papilloma

+ + + + A A +

Stomach, Glandular

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

Tooth

+

CARDIOVASCULAR SYSTEM

Aorta
Hepatocholangiocarcinoma, Metastatic, Liver

+
X

Heart
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung
Hemangiosarcoma
Hepatocholangiocarcinoma, Metastatic, Liver

+
X
X X

ENDOCRINE SYSTEM

Adrenal Cortex
Subcapsular, Adenoma

+ +

Adrenal Medulla

+ +

Islets, Pancreatic

+ + + + M +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

males
(cont...)

Sarcoma, Metastatic, Skin

X

Lymph Node, Mandibular

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

Lymph Node, Mesenteric
Hepatocarcinoma, Metastatic, Liver

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

Spleen
Hemangiosarcoma

A + + + + + + + + + + + + + + + + X

Thymus
Hepatocellular Carcinoma, Metastatic, Liver
Hepatocarcinoma, Metastatic, Liver

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

INTEGUMENTARY SYSTEM

Mammary Gland

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

Skin
Subcutaneous Tissue, Liposarcoma
Subcutaneous Tissue, Sarcoma

+ X

MUSCULOSKELETAL SYSTEM

Bone
Hepatocarcinoma, Metastatic, Liver

+ + + + + + + + + + + + + I + + + + + + + + + X

Skeletal Muscle
Hepatocarcinoma, Metastatic, Liver

+ + + + + + + + + + X + + + + + + + + + X

NERVOUS SYSTEM

Brain

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|--------------------|
| | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | 021 | 022 | | | 023 |
| 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 | 00291 | males
(cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Trigeminal Ganglion | M | M | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Nerve Trigeminal | + | + | + | M | + | M | + | + | + | + | + | M | + | + | M | + | M | M | + | + | M | + | M | M |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | X |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | X | | | | | | | | X |
| Alveolar/Bronchiolar Carcinoma | | | | | | | X | | | | | | X | | | | | | | | | | | X |
| Hepatoblastoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | X | | | | | | | X | | | | | | | | | | X | X |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | X | X | | | | X | | | | | | | |
| Sarcoma, Metastatic, Skin | | | X | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | X |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | X | | | | | | | | X |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
Time Report Requested: 13:43:11
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 | | | |
|-------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE MALE | | 0 | 3 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | | | |
| | | 0 | 6 | 2 | 3 | 4 | 7 | 9 | 0 | 0 | 1 | 1 | 2 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 9 | 0 | 2 | 2 | |
| | | 3 | 4 | 3 | 3 | 7 | 2 | 4 | 7 | 9 | 7 | 8 | 9 | 0 | 0 | 1 | 6 | 3 | 7 | 7 | 4 | 0 | 2 | 2 | 3 | |
| | 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 | |
| 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 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | | |
| | | 9 | 1 | 6 | 7 | 7 | 1 | 9 | 0 | 6 | 4 | 4 | 3 | 5 | 6 | 6 | 8 | 1 | 1 | 3 | 8 | 0 | 0 | 7 | 9 | 5 |
| | | 1 | 7 | 2 | 7 | 5 | 5 | 4 | 3 | 1 | 9 | 6 | 2 | 2 | 6 | 0 | 6 | 2 | 2 | 1 | 7 | 7 | 8 | 9 | 8 | 9 |

**males
(cont...)**

URINARY SYSTEM

Kidney
 Hepatocholangiocarcinoma, Metastatic, Liver
 Renal Tubule, Adenoma

Urinary Bladder
 Hemangioma

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

SYSTEMIC LESIONS

Multiple Organ
 Lymphoma Malignant

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 6 | 6 | 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 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 2 | 1 | 2 | 2 | 7 | 7 | 7 | 7 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 8 | 8 | 0 | 1 | 3 | 5 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | | 1 | 1 | 0 | 6 | 2 | 3 | 6 | 8 | 0 | 4 | 3 | 4 | 5 | 0 | 7 | 2 | 3 | 9 | 6 | 6 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | A | A | + | + | M | + | M | + | + | M | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum
Adenocarcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum
Hepatocolangiocarcinoma, Metastatic, Liver | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | X | | | X | | X | | X | | | | X | | X | | X | X | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | X | X | X | | | X | | | | X | X | X | | X | | X | | | | X | X | X | X | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma | X | | | X | | | | | | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocolangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | + | + | | | | | | + | | | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocolangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
| | 0726 | 0726 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | |
| 2.5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
| | 0022 | 0023 | 0022 | 0022 | 0027 | 0027 | 0027 | 0027 | 0028 | 0024 | 0023 | 0024 | 0025 | 0020 | 0027 | 0022 | 0023 | 0029 | 0026 | 0026 | 0023 | 0025 | |
| | 0021 | 0011 | 0020 | 0026 | 0022 | 0023 | 0026 | 0028 | 0020 | 0024 | 0023 | 0024 | 0025 | 0020 | 0027 | 0022 | 0023 | 0029 | 0026 | 0026 | 0023 | 0025 | |
| | 0021 | 0011 | 0020 | 0026 | 0022 | 0023 | 0026 | 0028 | 0020 | 0024 | 0023 | 0024 | 0025 | 0020 | 0027 | 0022 | 0023 | 0029 | 0026 | 0026 | 0023 | 0025 | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fat, Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas
Hepatocholangiocarcinoma, Metastatic, Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach
Squamous Cell Papilloma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | + | + | | | | | + | | | | | | + | | + | | | | + | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta
Hepatocholangiocarcinoma, Metastatic, Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma
Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | X | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Subcapsular, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | | |
| | | 2 | 1 | 2 | 2 | 7 | 7 | 7 | 7 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 8 | 8 | 0 | 1 | 3 | 5 | 5 | 8 | | |
| | | 1 | 1 | 0 | 6 | 2 | 3 | 6 | 8 | 0 | 4 | 3 | 4 | 5 | 0 | 7 | 2 | 3 | 9 | 6 | 6 | 3 | 5 | 9 | | |

Adenoma, Multiple

X

Parathyroid Gland

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

Pituitary Gland

+ +

Thyroid Gland

+ + M +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

Epididymis

Hemangioma

Hepatocarcinoma, Metastatic, Liver

+ +

Preputial Gland

+ +

Prostate

+ M + +

Seminal Vesicle

M +

Testis

Hemangioma

A +

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Sarcoma, Metastatic, Skin

Lymph Node, Mandibular

Lymph Node, Mesenteric

Hepatocarcinoma, Metastatic, Liver

Spleen

Hemangiosarcoma

Thymus

Hepatocarcinoma, Metastatic, Liver

Hepatocarcinoma, Metastatic, Liver

INTEGUMENTARY SYSTEM

Mammary Gland

Skin

Subcutaneous Tissue, Liposarcoma

Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Bone

Hepatocarcinoma, Metastatic, Liver

Skeletal Muscle

Hepatocarcinoma, Metastatic, Liver

NERVOUS SYSTEM

Brain

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Trigeminal Ganglion | + | + | + | + | + | M | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + |
| Nerve Trigeminal | + | + | + | + | M | M | + | M | + | + | M | + | M | M | + | + | M | + | + | + | + | + | + | M | + |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | X | | X | | | | | | | | | X | | | | | | X | | X | | | X | X | |
| Alveolar/Bronchiolar Carcinoma | | | | | X | | | | | | | | | | | | | | | | | | | X | |
| Hepatoblastoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | X | | | | | | | | | X | | | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | X | | X | | | | | X | | | | | | X | | X | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

URINARY SYSTEM

Kidney
Hepatocholangiocarcinoma, Metastatic, Liver
Renal Tubule, Adenoma

+ +

Urinary Bladder
Hemangioma

+ +

SYSTEMIC LESIONS

Multiple Organ
Lymphoma Malignant

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 0 | ANIMAL ID | males
(cont...) |
|------------------|----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 |
| | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |
| | | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 0 |
| | | 0 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 9 | 1 | 3 | 3 | 5 | 6 | 8 | 9 | 0 | 4 | 0 | 0 |
| | | 2 | 5 | 2 | 1 | 5 | 2 | 6 | 5 | 3 | 9 | 0 | 9 | 4 | 8 | 0 | 7 | 5 | 7 | 8 | 1 | 4 | 8 | 5 | 1 | 7 | 0 | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + | + | M | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Adenocarcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Hepatocarcinoma, Metastatic, Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | X | | | | | X | | |
| Hepatocellular Adenoma | X | X | X | | | X | | X | X | X | | X | | X | | X | | X | | X | X | | | | X |
| Hepatocellular Adenoma, Multiple | | | | X | X | | | | | | X | X | | X | | X | | X | | X | | | X | | |
| Hepatocellular Carcinoma | X | | | X | | | | | X | | | | | | X | X | X | X | | | | | X | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | + | | | | | | + | | | | | | | | |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

Fat, Hepatocholangiocarcinoma, Metastatic, Liver

Pancreas Hepatocholangiocarcinoma, Metastatic, Liver

Salivary Glands

Stomach, Forestomach Squamous Cell Papilloma

Stomach, Glandular

Tooth

CARDIOVASCULAR SYSTEM

Aorta Hepatocholangiocarcinoma, Metastatic, Liver

Heart Alveolar/Bronchiolar Carcinoma, Metastatic, Lung Hemangiosarcoma Hepatocholangiocarcinoma, Metastatic, Liver

ENDOCRINE SYSTEM

Adrenal Cortex Subcapsular, Adenoma

Adrenal Medulla

Islets, Pancreatic

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 0 | ANIMAL ID | males
(cont...) |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 | | |
| | | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | | |
| | | 0 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 9 | 1 | 3 | 3 | 5 | 6 | 8 | 9 | 0 | | |
| | | 2 | 5 | 2 | 1 | 5 | 2 | 6 | 5 | 3 | 9 | 0 | 9 | 4 | 8 | 0 | 7 | 5 | 7 | 8 | 1 | 4 | 8 | 5 | 1 | | |

Adenoma, Multiple

Parathyroid Gland

Pituitary Gland

Thyroid Gland

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

Epididymis

Hemangioma

Hepatocarcinoma, Metastatic, Liver

Preputial Gland

Prostate

Seminal Vesicle

Testis

Hemangioma

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

HEMATOPOIETIC SYSTEM

Bone Marrow

Lymph Node

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2.5 W/kg | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |
| | | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 |
| | | 0 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 9 | 1 | 3 | 3 | 5 | 6 | 8 | 9 |
| | | 2 | 5 | 2 | 1 | 5 | 2 | 6 | 5 | 3 | 9 | 0 | 9 | 4 | 8 | 0 | 7 | 5 | 7 | 8 | 1 | 4 | 8 | 5 |
| | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |

Sarcoma, Metastatic, Skin

Lymph Node, Mandibular

Lymph Node, Mesenteric

Hepatocholangiocarcinoma, Metastatic, Liver

Spleen

Hemangiosarcoma

Thymus

Hepatocellular Carcinoma, Metastatic, Liver

Hepatocholangiocarcinoma, Metastatic, Liver

INTEGUMENTARY SYSTEM

Mammary Gland

Skin

Subcutaneous Tissue, Liposarcoma

Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Bone

Hepatocholangiocarcinoma, Metastatic, Liver

Skeletal Muscle

Hepatocholangiocarcinoma, Metastatic, Liver

NERVOUS SYSTEM

Brain

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | ANIMAL ID | males
(cont...) |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | | |
| | | 0 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 9 | 1 | 3 | 3 | 5 | 6 | 8 | | |
| | | 2 | 5 | 2 | 1 | 5 | 2 | 6 | 5 | 3 | 9 | 0 | 9 | 4 | 8 | 0 | 7 | 5 | 7 | 8 | 1 | 4 | 8 | | |

Brain Trigeminal Ganglion

Nerve Trigeminal

Peripheral Nerve, Sciatic

Spinal Cord

RESPIRATORY SYSTEM

Lung

Adenocarcinoma, Metastatic, Harderian Gland

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma

Hepatoblastoma, Metastatic, Liver

Hepatocellular Carcinoma, Metastatic, Liver

Hepatocholeangiocarcinoma, Metastatic, Liver

Sarcoma, Metastatic, Skin

Nose

Trachea

SPECIAL SENSES SYSTEM

Eye

Adenocarcinoma, Metastatic, Harderian Gland

Harderian Gland

Adenocarcinoma

Adenoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | X | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 87 |
| Gallbladder | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 66 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 77 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 77 |
| Adenocarcinoma | | | X | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 3 |
| Hepatoblastoma | | | | | | | | | | | | | | X | | 3 |
| Hepatocellular Adenoma | | | | | | X | | X | | | | | | | | 28 |
| Hepatocellular Adenoma, Multiple | X | X | X | X | X | | | | | X | | | X | X | X | 33 |
| Hepatocellular Carcinoma | | | | | | | | X | | | | | X | | X | 23 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | 2 |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | 4 |
| Mesentery | | | + | | | | + | | | + | | | | | | 14 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Fat, Hepatocholangiocarcinoma, Metastatic, Liver

1

Pancreas
Hepatocholangiocarcinoma, Metastatic, Liver

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

88

2

Salivary Glands

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

89

Stomach, Forestomach
Squamous Cell Papilloma

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

87

1

Stomach, Glandular

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

86

Tooth

+ + + + +

26

CARDIOVASCULAR SYSTEM

Aorta
Hepatocholangiocarcinoma, Metastatic, Liver

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

89

1

Heart
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung
Hemangiosarcoma
Hepatocholangiocarcinoma, Metastatic, Liver

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

89

1

1

2

ENDOCRINE SYSTEM

Adrenal Cortex
Subcapsular, Adenoma

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

89

3

Adrenal Medulla

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

88

Islets, Pancreatic

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

88

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Adenoma, Multiple

1

Parathyroid Gland

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

68

Pituitary Gland

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

85

Thyroid Gland

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

88

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

2

Epididymis

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

89

Hemangioma

X

1

Hepatocholangiocarcinoma, Metastatic, Liver

1

Preputial Gland

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

88

Prostate

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

87

Seminal Vesicle

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

88

Testis

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

88

Hemangioma

X

1

HEMATOPOIETIC SYSTEM

Bone Marrow

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

88

Lymph Node

+

8

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | * TOTALS |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | | + | + | M | + | M | + | + | M | + | M | M | + | + | + | | 61 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 82 |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 1 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 88 |
| Hemangiosarcoma | | | | | X | | | | | | | | | | | | 4 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | M | I | + | | 83 |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 1 |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 3 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | |
| Mammary Gland | | M | M | M | M | M | M | M | M | M | M | M | M | M | M | | 5 |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 |
| Subcutaneous Tissue, Liposarcoma | | | | | | | | | | | | X | | | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | 1 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 88 |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 2 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | |
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 89 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 5 | 6 | 6 | 7 | 8 | 0 | 0 | 1 | 2 | 2 | 4 | 4 | 8 | 8 | 9 | |
| | | 4 | 3 | 5 | 4 | 0 | 0 | 6 | 1 | 3 | 7 | 3 | 5 | 1 | 4 | 3 | |
| Brain Trigeminal Ganglion | | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 79 |
| Nerve Trigeminal | | M | M | M | + | M | + | + | + | + | M | M | M | M | M | M | 53 |
| Peripheral Nerve, Sciatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Spinal Cord | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | X | | | | | | | | | 13 |
| Alveolar/Bronchiolar Carcinoma | | | | X | | | | | X | X | | | | X | | | 12 |
| Hepatoblastoma, Metastatic, Liver | | | | | | | | | | | | | | | X | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | X | | | | | | | | 8 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 3 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Adenocarcinoma | | | | | | | | | | | | | | | | | 2 |
| Adenoma | | | | | | | | | | | | | | | | | 7 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| 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 | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 5 | 6 | 6 | 7 | 8 | 0 | 0 | 1 | 2 | 2 | 4 | 4 | 8 | 8 | 9 |
| | 4 | 3 | 5 | 4 | 0 | 0 | 6 | 1 | 3 | 7 | 3 | 5 | 1 | 4 | 3 | |
| * TOTALS | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 2 |
| Renal Tubule, Adenoma | | | | X | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Hemangioma | | | | | X | | | | | | | | | | | 2 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Gallbladder | + | + | + | + | A | M | + | + | A | M | + | + | + | + | + | + | + | M | + | + | M | + | M | + | + | |
| Intestine Large, Cecum
Leiomyoma | + | + | + | A | A | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum
Adenoma | + | + | + | A | A | + | A | A | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | A | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | A | A | A | A | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma | | | | | | | | | X | | | | | | | | | | | | X | | | | X | |
| Hepatoblastoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | X | | X | | | X | | | | | | | X | | | | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | X | | X | X | | | | X | X | | X | X | X | | X | | X | X | |
| Hepatocellular Carcinoma | | | X | X | X | | X | | | X | | | | | X | X | | X | X | X | | X | | X | X | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Mesentery | | | | | | | | | + | | | | | | | | | | + | + | | | | | + | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE MALE

5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|--------------------|
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0
5
0
3 | 0
5
4
5 | 0
6
0
4 | 0
6
3
5 | 0
6
4
5 | 0
6
0
4 | 0
6
5
2 | 0
6
6
8 | 0
6
7
0 | 0
6
8
2 | 0
7
0
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | | |
| Pancreas | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach
Squamous Cell Papilloma | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Tooth | + | | | | | | | | | | | | | + | + | + | | | | | | | + | + | | |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Subcapsular, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic
Carcinoma | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | M | + | M | + | M | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | M |
| Pituitary Gland | + | + | + | + | + | + | I | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node | | | | | | | | | | + | | | | | | | | | | | | | + | | |
| Lymph Node, Mandibular | + | + | + | M | M | + | + | M | + | M | + | + | + | M | + | M | M | + | M | M | M | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Spleen Hemangiosarcoma | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Thymus Thymoma Benign | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

males
(cont...)

INTEGUMENTARY SYSTEM

Mammary Gland

M M

Skin

+ +

Keratoacanthoma

Sebaceous Gland, Adenoma

Subcutaneous Tissue, Hemangiosarcoma

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

Subcutaneous Tissue, Malignant Fibrous Histiocytoma, Multiple

X

MUSCULOSKELETAL SYSTEM

Bone

+ +

Skeletal Muscle

+ +

Hepatocellular Carcinoma, Metastatic, Liver

X

NERVOUS SYSTEM

Brain

+ +

Brain Trigeminal Ganglion

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

Nerve Trigeminal

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

Peripheral Nerve, Sciatic

+ +

Spinal Cord

+ +

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | 0 | 5 | 6 | 6 | 3 | 4 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | X | | X | | | | | | | | | X | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | X | | X | X | | | | | | | X | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | X | | X | | | X | | | | | | | | | | | | | | | | | | |
| Mediastinum | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hibernoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + |
| Intestine Large, Cecum
Leiomyoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma | | | | | | | | X | | X | | | | | | | | | | X | | | | | |
| Hepatoblastoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | X | | | | | | X | | | | X | | X | | | | | X | X | | | | |
| Hepatocellular Adenoma, Multiple | X | X | | X | X | | X | | X | X | X | | | X | X | | | | X | X | | | | X | X |
| Hepatocellular Carcinoma | | X | | | | X | X | | X | X | X | | | X | X | X | | | | X | | | | | X |
| Hepatocellular Carcinoma, Multiple | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Mesentery | | | + | | | | | | | | | | + | + | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
| | 0730 | 0730 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | |
| 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 |
| | 5502 | 5502 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 | 5503 |
| | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 | 0831 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach
Squamous Cell Papilloma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | X | | | | | | | | | | | | X | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | | | | | | | | | | | | + | + | | | + | | | |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Subcapsular, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | X | | | | | | | | | X | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Islets, Pancreatic
Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + |
| Thyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
Time Report Requested: 13:43:11
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

| B6C3F1 MICE MALE | 5 W/kg | DAY ON TEST | ANIMAL ID | 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 | 30 | 31 | 32 | | |
|------------------|--------|-------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
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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 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 0 | 0 | 2 | 3 | 3 | 4 | 5 | 6 | 6 | 0 | 0 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 0 | 1 | 1 | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 2 | 8 | 3 | 1 | 7 | 8 | 3 | 4 | 9 | 1 | 7 | 6 | 9 | 1 | 4 | 8 | 3 | 6 | 9 | 4 | 8 | 6 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

males
(cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | 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 | 30 | 31 | 32 | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

| | 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 | 30 | 31 | 32 | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemangiosarcoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | + | | | | | | | + | | | | | | | | | | | | | | | | + | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | M | + | + | + | M | M | M | M | + | + | + | + | + | + | + | M | + | M | M | I | + | M | + | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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
0 | 0
7
3
0 | 0
7
3
1 | 0
7
3
1 | 0
7
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1 | 0
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2 | 0
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2 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | males
(cont...) |
| | ANIMAL ID | 0
0
5
0
2
8 | 0
0
5
0
2
3 | 0
0
5
0
2
3 | 0
0
4
3
3
1 | 0
0
4
4
4
7 | 0
0
4
4
5
8 | 0
0
4
4
6
3 | 0
0
4
4
6
4 | 0
0
5
0
0
9 | 0
0
5
0
0
1 | 0
0
5
4
2
7 | 0
0
4
4
4
6 | 0
0
4
4
7
9 | 0
0
4
4
8
1 | 0
0
4
4
9
4 | 0
0
5
4
9
6 | 0
0
5
4
9
4 | 0
0
5
5
0
8 | 0
0
4
4
1
6 | 0
0
5
4
2
8 | 0
0
4
4
5
6 | 0
0
4
4
6
0 | |

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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | X | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + |
| Nerve Trigeminal | + | + | + | M | M | + | M | + | + | + | + | + | + | + | + | M | M | + | + | + | M | + | M | + |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--------------------|
| | 0730 | 0733 | 0730 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | 0731 | 0733 | | |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0002 | 0005 | 0002 | 0003 | 0003 | 0004 | 0004 | 0005 | 0006 | 0006 | 0000 | 0001 | 0002 | 0004 | 0007 | 0008 | 0003 | 0006 | 0009 | 0004 | 0008 | 0006 | 0000 | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | X | | | | | | | X | | | | | | | | | | | | X | X | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | X | | X | X | | | | | X | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | X | | | | | | | | | | | | | | | |
| Mediastinum | | | | | | | | | | | | | | + | | | | | | | | + | |
| Hibernoma | | | | | | | | | | | | | X | | | | | | | | | X | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | X | X | | | | | | | X | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Renal Tubule, Adenoma | | | | | | X | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

males
(cont...)

Lymphoma Malignant

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

**males
(cont...)**

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | M | + | + | + | + | M | + | + | + | + |
| Intestine Large, Cecum
Leiomyoma | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Intestine Small, Duodenum
Adenoma | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | X | | | | | | | | | | | | | | | | | | | | | X |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hepatoblastoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | X | | X | | | | X | | X | | | | | | X | | |
| Hepatocellular Adenoma, Multiple | | | X | X | | X | X | X | | X | | X | | | X | | X | | | | X | X | X | X | X |
| Hepatocellular Carcinoma | X | X | | | | | | | | | | X | | | X | X | | | | | X | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | + | | | | | | | | | | | | | | + | + | + | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|------------------|---|--|
| | 0
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8 | 0
7
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 | 0 | |
| | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | |
| | 8 | 9 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 5 | 6 | 0 | 0 | 1 | 2 | 2 | 4 | 4 | 5 | 7 | 8 | 8 | 1 | 2 | 4 | |
| | 9 | 1 | 1 | 3 | 4 | 1 | 8 | 3 | 4 | 9 | 5 | 4 | 6 | 7 | 3 | 7 | 0 | 4 | 7 | 5 | 1 | 7 | 2 | 5 | 6 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Stomach, Forestomach
Squamous Cell Papilloma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Tooth | + | | | + | | | | | | | + | | | | + | | | | | | | + | | | | |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Subcapsular, Adenoma | M | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | |
| Adrenal Medulla | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic
Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | + | + | + | M | M | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | M | + | + | M | M |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0733 | 0733 | 0733 | 0733 | 0733 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0738 | 0738 | males
(cont...) |
| | ANIMAL ID | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | 004891 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | | | | | | | | | | + | | | | | | | | | |
| Lymph Node, Mandibular | + | M | M | + | M | + | + | + | M | + | + | + | + | + | + | I | + | M | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen
Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus
Thymoma Benign | M | M | + | + | I | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | |
| | 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 | 7 | 7 | 7 | 7 |
| 5 W/kg | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 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 |
| | | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 8 | 9 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 5 | 6 | 0 | 0 | 1 | 2 | 2 | 4 | 4 | 5 | 7 | 8 | 8 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 9 | 1 | 1 | 3 | 4 | 1 | 8 | 3 | 4 | 9 | 5 | 4 | 6 | 7 | 3 | 7 | 0 | 4 | 7 | 5 | 1 | 7 | 2 | 5 | 6 | | | | | | | | | | | |

males
(cont...)

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 | M | M | M | M | M | M | M | M | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sebaceous Gland, Adenoma | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Brain Trigeminal Ganglion | + | M | + | + | + | + | M | + | M | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Nerve Trigeminal | + | + | M | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | X | | | | | | | | | X | | X | | X | | | | | | X | | X | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | X | | | | | X | | | | | | | | X | X | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | X | | | | | | | | | | | | | | | | | | | | | | | | |

Mediastinum
Hibernoma

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

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Adenoma | | | | | X | | X | | | | | | | | X | | | | | | X | | | | X |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

Lymphoma Malignant

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 5 W/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 6 | 8 | 9 | 9 | |
| | | 7 | 5 | 0 | 5 | 0 | 1 | 2 | 2 | 4 | 3 | 4 | 3 | 2 | 0 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Gallbladder | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | 74 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Leiomyoma | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Adenoma | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangioma | | | | | | | | | X | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 2 |
| Hepatoblastoma | | | | | X | | | | | | | | | | | 8 |
| Hepatoblastoma, Multiple | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | X | | | | | X | | | | | | X | | | | 20 |
| Hepatocellular Adenoma, Multiple | | X | X | X | X | | X | | X | | X | | X | | | 46 |
| Hepatocellular Carcinoma | | | | | | | X | | | | | X | | | | 28 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | 2 |
| Mesentery | | | + | + | | | | | | | | | | | | 13 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE MALE
5 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|----------|
| | ANIMAL ID | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Stomach, Forestomach
Squamous Cell Papilloma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89
2 | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Tooth | | | | | | | | | + | | | + | | | | | 16 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | |
| Aorta | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex
Subcapsular, Adenoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89
3 | |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Islets, Pancreatic
Carcinoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90
1 | |
| Parathyroid Gland | | + | M | + | M | M | M | M | + | + | + | M | + | M | + | + | 67 | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Thyroid Gland | | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | | | | | | | | | | | | | | | + | 7 |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 63 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 81 |
| Thymoma Benign | | | | | | | | | X | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 2 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Keratoacanthoma | | | | | | | | | | | | X | | | | | 1 |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | X | | | | 2 |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | X | | | | | | | | | 4 |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma, Multiple | | | | X | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Brain Trigeminal Ganglion | + | M | + | + | + | M | + | + | M | + | + | M | M | + | + | + | 72 |
| Nerve Trigeminal | + | + | M | M | + | + | + | + | M | + | M | + | + | + | + | + | 66 |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | X | | | | | | | 16 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | X | | | 2 |
| Alveolar/Bronchiolar Carcinoma | | | | | | X | | | | X | X | | | | | 15 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | X | | | | 6 |
| Mediastinum | | | | | | | | | | | | | | | | 2 |
| Hibernoma | | | | | | | | | | | | | | | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Trachea | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | 89 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adenocarcinoma | | | | | | | | | | | | | | | | 1 |
| Adenoma | | | X | | | X | | | | | | | | | | 11 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lymphoma Malignant

3

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | + | + | A | A | + | + | A | + | A | + | + | + | + | + | + | A | A | + | + | A | + | + | + | + |
| Intestine Large, Cecum | A | + | A | A | + | + | A | + | A | A | + | A | + | + | + | + | A | A | + | + | A | + | + | + |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | A | + | + | + | A | + | + | + |
| Intestine Large, Rectum | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | A | + | + | + |
| Intestine Small, Duodenum | A | + | A | + | A | + | A | + | M | A | + | A | + | + | + | + | A | + | + | + | A | + | + | + |
| Intestine Small, Ileum | A | + | A | A | + | + | A | + | A | A | + | A | + | + | + | + | A | + | + | + | A | + | + | + |
| Intestine Small, Jejunum | A | + | A | + | A | + | A | + | A | A | A | + | + | + | + | + | A | + | + | + | A | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Islets, Pancreatic | | | | | | | | | | | | | | | | | X | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | X | | | | | | | | | | | |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | X | X | | X | | | | | | | | X | | X | | | | X | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | X | | | | | | | X | | X | | X | | |
| Hepatocellular Carcinoma | | | | | X | | | | | | | X | | | | X | | | | | X | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | X | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | + | | | + | | | + | | | | + | + | | | + |
| Pancreas | + | + | M | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | A | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Tooth | | | | | | | | | | | | | | | | | | | + | + | | | | + | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | X | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | X | | | | X | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Parathyroid Gland | M | + | M | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangioma | | | X | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain Trigeminal Ganglion | + | + | M | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + |
| Nerve Trigeminal | + | + | + | + | + | + | + | + | + | + | M | + | M | M | M | + | M | + | + | + | M | + | M |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | X | | | | | | | | X | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | X | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

males (cont...)

Alveolar/Bronchiolar Carcinoma
 Alveolar/Bronchiolar Carcinoma, Multiple
 Carcinoma, Metastatic, Islets, Pancreatic
 Hepatoblastoma, Metastatic, Liver
 Hepatocellular Carcinoma, Metastatic, Liver

X X X X X
 X
 X

Mediastinum
 Alveolar/Bronchiolar Carcinoma, Metastatic,
 Lung

Nose +
 Trachea +

SPECIAL SENSES SYSTEM

Eye +
 Harderian Gland Adenoma +
 X

URINARY SYSTEM

Kidney Alveolar/Bronchiolar Carcinoma, Metastatic, Lung + + + + + + X + + + + + + + + + + + + + + + + +
 Urinary Bladder Urothelium, Papilloma + + + + + + + + + + + M + + + + + + + + + + + +

SYSTEMIC LESIONS

Multiple Organ Histiocytic Sarcoma +
 X

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

Leukemia Granulocytic
Lymphoma Malignant

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

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 | M | M | M | M | M | M | M | M | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | M | + | + | M | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nerve Trigeminal | + | + | + | + | + | M | M | M | + | M | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|
| | 0729 | 0729 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | | 0730 | |
| 10 W/kg | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
| | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | | 0071 | |
| | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | | 0071 | 0071 |
| | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | 0071 | | 0071 | 0071 |

Alveolar/Bronchiolar Carcinoma
 Alveolar/Bronchiolar Carcinoma, Multiple
 Carcinoma, Metastatic, Islets, Pancreatic
 Hepatoblastoma, Metastatic, Liver
 Hepatocellular Carcinoma, Metastatic, Liver

X X X X X

Mediastinum
 Alveolar/Bronchiolar Carcinoma, Metastatic,
 Lung

+
 X

Nose

Trachea

SPECIAL SENSES SYSTEM

Eye

Harderian Gland
 Adenoma

URINARY SYSTEM

Kidney
 Alveolar/Bronchiolar Carcinoma, Metastatic,
 Lung

Urinary Bladder
 Urothelium, Papilloma

SYSTEMIC LESIONS

Multiple Organ
 Histiocytic Sarcoma

- * .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- X .. Lesion present
- I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

males
(cont...)

Leukemia Granulocytic
Lymphoma Malignant

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------------------|-------|
| | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | | 0732 |
| 10 W/kg | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 | 00696 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Islets, Pancreatic | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma | | X | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | X | | | | | X | X | | | | | X | X | X | | | X | X | | | | |
| Hepatocellular Adenoma, Multiple | X | | | | | X | X | | | | X | X | | | | | X | | | | | X | X | X |
| Hepatocellular Carcinoma | | | | X | | X | | | | | | | | | | | X | | | | | X | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | I | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | + | | + | + | | | | | | | | | | + | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M | M | + | + | + | + | + | M | M | + | + | + | + | M | + | + | + | M | + | M | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
Time Report Requested: 13:43:11
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

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

GENERAL BODY SYSTEM

Tissue NOS +

GENITAL SYSTEM

Coagulating Gland + +

Epididymis +

Preputial Gland +

Prostate +

Seminal Vesicle +

Testis +

HEMATOPOIETIC SYSTEM

Bone Marrow Hemangiosarcoma +

Lymph Node +

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

Lymph Node, Mesenteric +

Spleen Hemangiosarcoma +

Thymus + + M + + M + M + + + + M M + + + + + + + + + + +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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
2 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
4 | 0
7
3
5 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
7 | 0
7
3
7 | 0
7
3
7 | males
(cont...) |
| | ANIMAL ID | 0
6
9
6 | 0
0
7
0 | 0
0
1
2 | 0
0
7
6 | 0
0
6
4 | 0
0
5
4 | 0
0
5
8 | 0
0
7
7 | 0
0
8
5 | 0
0
1
0 | 0
0
1
3 | 0
0
2
1 | 0
0
2
2 | 0
0
6
8 | 0
0
6
6 | 0
0
6
6 | 0
0
6
6 | 0
0
6
6 | 0
0
6
6 | 0
0
7
7 | 0
0
8
9 | 0
0
1
1 | 0
0
2
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 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | X | | X |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Nerve Trigeminal | + | + | M | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | + | M | + | M | M | + |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | X | | X | X | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | ANIMAL ID | males
(cont...) | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | | | |
| | | 9 | 0 | 1 | 1 | 3 | 5 | 5 | 7 | 8 | 1 | 1 | 2 | 2 | 6 | 3 | 4 | 4 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 6 | | |
| | | 6 | 0 | 2 | 6 | 4 | 4 | 8 | 7 | 5 | 0 | 3 | 1 | 9 | 6 | 8 | 6 | 7 | 1 | 4 | 9 | 7 | 1 | 3 | 1 | 0 | | |
| Alveolar/Bronchiolar Carcinoma | | X | | | | | | | | | X | X | | | | | | | X | | | X | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple
Carcinoma, Metastatic, Islets, Pancreatic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinum | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic,
Lung | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Harderian Gland
Adenoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic,
Lung | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Urothelium, Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

males
(cont...)

Leukemia Granulocytic
Lymphoma Malignant

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 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 | |
| | | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| | | 6 | 8 | 9 | 0 | 2 | 3 | 3 | 4 | 5 | 5 | 7 | 7 | 9 | 0 | |
| | | 7 | 4 | 1 | 1 | 2 | 0 | 4 | 1 | 5 | 9 | 0 | 6 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | 79 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 78 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 79 |
| Adenocarcinoma | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Carcinoma, Metastatic, Islets, Pancreatic | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | X | | | | | | | | 2 |
| Hepatoblastoma | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | X | | | | | X | X | | | X | | | | X | | 26 |
| Hepatocellular Adenoma, Multiple | | X | X | | X | | | X | | | X | X | X | | X | 29 |
| Hepatocellular Carcinoma | | | | | | | X | | X | X | | | X | | | 19 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | 3 |
| Mesentery | | | + | | | | | | | + | | | | | | 17 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | |
| Tooth | | | + | | + | + | + | + | + | | | + | | | | | 20 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | |
| Aorta | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 87 | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 2 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Adrenal Medulla | | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 86 | |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Adenoma | | | | | | | | | | | | | | | | | 2 | |
| Carcinoma | | | | | | | | | | | | | | | | | 1 | |
| Parathyroid Gland | | + | + | M | + | + | + | M | + | + | M | + | + | + | + | M | 66 | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 10 W/kg | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 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 | |
| | | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | |
| | | 6 | 8 | 9 | 0 | 2 | 3 | 3 | 4 | 5 | 5 | 7 | 7 | 9 | 0 | |
| | | 7 | 4 | 1 | 1 | 2 | 0 | 4 | 1 | 5 | 9 | 0 | 6 | 8 | 9 | |
| * TOTALS | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS 1

GENITAL SYSTEM

Coagulating Gland 4

Epididymis 90

Preputial Gland 89

Prostate 87

Seminal Vesicle 90

Testis 90

HEMATOPOIETIC SYSTEM

Bone Marrow 90

Hemangiosarcoma 1

Lymph Node 9

Lymph Node, Mandibular 60

Lymph Node, Mesenteric 83

Spleen 88

Hemangiosarcoma 1

Thymus 72

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

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Cell Phone Radiation: GSM

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Time Report Requested: 13:43:11

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

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Mammary Gland | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | 8 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Hemangioma | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | | | | | | | | | 3 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 79 |
| Nerve Trigeminal | + | M | + | + | + | M | M | + | M | + | + | + | + | M | M | 63 |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Alveolar/Bronchiolar Adenoma | | X | | X | | | | X | | X | | X | X | X | X | 15 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

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

Lab: IIT

| B6C3F1 MICE MALE
10 W/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Alveolar/Bronchiolar Carcinoma | | | | X | | | | | | | | | | X | | | 17 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Islets, Pancreatic | | | | | | | | | | | | | | | | | 1 |
| Hepatoblastoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 5 |
| Mediastinum | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adenoma | | | | | | | | | X | | | | | | | | 5 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Urothelium, Papilloma | | | | | | | | | | | | | | | | | 2 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

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

Lab: IIT

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

10 W/kg | DAY ON TEST | 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 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 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 | |
| | | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| | | 6 | 8 | 9 | 0 | 2 | 3 | 3 | 4 | 5 | 5 | 7 | 7 | 9 | 0 | 2 | |
| | | 7 | 4 | 1 | 1 | 2 | 0 | 4 | 1 | 5 | 9 | 0 | 6 | 8 | 9 | 8 | |
| | | * TOTALS | | | | | | | | | | | | | | | |
| | | Leukemia Granulocytic | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | | | | |
| | | Lymphoma Malignant | | | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | | | |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

Table with columns for DAY ON TEST and ANIMAL ID for B6C3F1 MICE FEMALE, 0 W/kg. Includes individual animal data points and a 'females (cont...)' label.

ALIMENTARY SYSTEM

Table detailing alimentary system findings for various organs (Esophagus, Gallbladder, Intestine Large, Intestine Small, Liver) across different animal groups, using symbols (+, M, A, X).

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

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Route: Whole Body Exposure

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Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mesentery
Fibrosarcoma, Metastatic, Skin
Renal Mesenchymal Tumor, Metastatic, Kidney
Fat, Hemangioma | | | + | | | + | + | | | + | | | + | | | + | + | | | | | | | + | X |
| Pancreas
Fibrosarcoma, Metastatic, Skin
Renal Mesenchymal Tumor, Metastatic, Kidney | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | X |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach
Fibrosarcoma, Metastatic, Skin
Squamous Cell Papilloma | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | X |
| Stomach, Glandular
Fibrosarcoma, Metastatic, Skin | + | A | + | A | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | X |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + |
| Heart
Osteosarcoma, Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | |
| Adrenal Medulla
Pheochromocytoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | |
| | | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 8 | 9 | 1 | 5 | 5 | 6 | 6 | 7 | 7 | 9 | 0 | 0 | 0 | 0 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 8 | 0 | 0 | 2 | 3 | 4 | 9 | 3 | 4 | 9 | 3 | 3 | 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 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 4 | 9 | 5 | 2 | 6 | 5 | 8 | 0 | 6 | 8 | 6 | 3 | 4 | 0 | 0 | 9 | 1 | 0 | 2 | 1 | 4 | 6 | 7 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 0 | 7 | 0 | 1 | 7 | 7 | 9 | 3 | 8 | 2 | 2 | 9 | 6 | 7 | 8 | 2 | 0 | 0 | 2 | 4 | 9 | 6 | 6 | 7 | 3 | 6 | 6 | 7 | 3 | 3 | 3 | 3 | 3 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Islets, Pancreatic Carcinoma | + A + A + + + + + + + + + + + M + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M + + M + + + + M + + + + M + + M + + M + M + + + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland Pars Distalis, Adenoma | + + + + M + + + + + + + + I + + + + + + + + + + I + + X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland C-cell, Carcinoma | + + + + + + + + + + + + + + + X + + + + + + M + + | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abdominal, Osteosarcoma, Metastatic, Skin | X | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Clitoral Gland | + + + + + M + + + + + + + + + + M + + + + + + + M + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ovary | + + + + + + + M + + + + + + + + + + M + + M + I + + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cystadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granulosa Cell Tumor Benign | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thecoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyoma | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | M | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node | | | | | | | + | + | | + | + | | | | | | | + | | + | | | | | |
| Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | M | M | + | |
| Lymph Node, Mesenteric | + | + | + | M | I | + | + | + | + | A | + | + | + | + | + | + | A | + | M | + | + | M | + | + | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | A | + | A | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | | |
| Thymus | M | + | + | A | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | I | + | + | + | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | M | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | M | + | + | + | + | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | X | X | | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | X | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Osteosarcoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | X | | | | | | X | | | | | | | |

MUSCULOSKELETAL SYSTEM

- * .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- X .. Lesion present
- I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | 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 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 0 | |
| | 4 | 9 | 1 | 5 | 5 | 6 | 6 | 7 | 7 | 9 | 0 | 0 | 0 | 3 | 4 | 4 | 4 | 5 | 5 | 8 | 0 | 2 | 0 | |
| | 8 | 3 | 1 | 1 | 1 | 2 | 8 | 7 | 9 | 7 | 4 | 7 | 7 | 8 | 2 | 4 | 8 | 3 | 6 | 9 | 3 | 4 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | |
| | 4 | 9 | 5 | 2 | 6 | 5 | 8 | 0 | 6 | 8 | 6 | 3 | 4 | 0 | 0 | 9 | 1 | 0 | 2 | 1 | 4 | 6 | 0 | |
| | 0 | 7 | 0 | 1 | 7 | 7 | 9 | 3 | 8 | 2 | 2 | 9 | 6 | 7 | 8 | 2 | 0 | 0 | 2 | 4 | 9 | 6 | 0 | |

Bone +

Hemangioma
Osteosarcoma X

Skeletal Muscle +

Osteosarcoma X

NERVOUS SYSTEM

Brain +

Osteosarcoma, Metastatic, Skeletal Muscle X

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

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

Peripheral Nerve, Sciatic +

Spinal Cord +

RESPIRATORY SYSTEM

Lung +

Alveolar/Bronchiolar Adenoma
Alveolar/Bronchiolar Carcinoma X
Carcinoma, Metastatic, Thyroid Gland X
Fibrosarcoma, Metastatic, Skin X
Hepatocellular Carcinoma, Metastatic, Liver X
Osteosarcoma, Metastatic, Bone X
Osteosarcoma, Metastatic, Skeletal Muscle X
Osteosarcoma, Metastatic, Skin X

Mediastinum

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

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Route: Whole Body Exposure

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CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

females
(cont...)

Hepatocellular Carcinoma, Metastatic, Liver

Nose +

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Harderian Gland Adenoma +

URINARY SYSTEM

Kidney + + + + + + + + + + + + + + + + + + A + + + + + + + +

Renal Mesenchymal Tumor
Renal Tubule, Adenoma

Urinary Bladder + + + + + + + + + + M + + + + + + + + + + I M + M + +

SYSTEMIC LESIONS

Multiple Organ +

Histiocytic Sarcoma
Lymphoma Malignant

X X X X X X X X X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney Fat, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aorta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | |
| ANIMAL ID | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | |
| | 6313 | 7822 | 8137 | 1371 | 2331 | 3336 | 4447 | 6668 | 9990 | 0004 | 1115 | 2211 | 3313 | 4435 | 5566 | 6655 | 7711 | 8844 | 9906 | 0008 | 1124 | 2252 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Parathyroid Gland | M | M | + | + | + | + | M | + | M | + | M | M | M | + | + | M | M | + | M | M | M | + | M | + | |
| Pituitary Gland
Pars Distalis, Adenoma | + | + | I | + | I | I | + | + | + | + | + | + | + | + | + | I | + | + | + | + | I | + | + | + | |
| Thyroid Gland
C-cell, Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + |

GENERAL BODY SYSTEM

Tissue NOS
Abdominal, Osteosarcoma, Metastatic, Skin

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M |
| Ovary
Cystadenoma
Granulosa Cell Tumor Benign
Hemangioma
Thecoma Malignant | + | + | + | + | M | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | M | I | + |
| Uterus
Fibroma
Fibrosarcoma, Metastatic, Skin
Leiomyoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 W/kg | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | | |
| | | 1 | 7 | 8 | 2 | 2 | 3 | 3 | 4 | 4 | 6 | 6 | 9 | 0 | 1 | 3 | 3 | 5 | 6 | 7 | 0 | 0 | 2 | 2 | | |
| | | 6 | 3 | 1 | 3 | 7 | 1 | 6 | 7 | 8 | 0 | 4 | 1 | 5 | 1 | 3 | 5 | 6 | 5 | 1 | 4 | 6 | 8 | 4 | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | | | | | + | | | | | | | | | | | | | | |
| Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | M | M | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | I | + |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | X | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | I | I | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Osteosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | |

Mediastinum +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

females
(cont...)

Hepatocellular Carcinoma, Metastatic, Liver

Nose +

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Harderian Gland Adenoma + + M + + + + + + X + + + + + + + + + + X + + + +

URINARY SYSTEM

Kidney +

Renal Mesenchymal Tumor X
Renal Tubule, Adenoma X

Urinary Bladder +

SYSTEMIC LESIONS

Multiple Organ +

Histiocytic Sarcoma X
Lymphoma Malignant X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 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 | 7 | | |
| 0 W/kg | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 0 | 0 |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |
| | | 5 | 5 | 6 | 7 | 7 | 9 | 0 | 3 | 5 | 5 | 7 | 9 | 0 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 8 | 9 | 1 | 2 | 0 | 0 |
| | | 5 | 9 | 9 | 5 | 9 | 6 | 9 | 0 | 3 | 4 | 0 | 0 | 1 | 0 | 8 | 9 | 6 | 4 | 7 | 8 | 8 | 4 | 2 | 8 | 0 | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Intestine Large, Cecum
Fibrosarcoma, Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum
Fibrosarcoma, Metastatic, Skin
Osteosarcoma, Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Fibrosarcoma, Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | X | | X | | X | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | X | | | | | | | | | | | | X | | | | X | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | I | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pheochromocytoma Malignant | I | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | females
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | 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 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 | 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 | |
| | | 5 | 5 | 6 | 7 | 7 | 9 | 0 | 3 | 5 | 5 | 7 | 9 | 0 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 8 | 9 | 1 | |
| | | 5 | 9 | 9 | 5 | 9 | 6 | 9 | 0 | 3 | 4 | 0 | 0 | 1 | 0 | 8 | 9 | 6 | 4 | 7 | 8 | 8 | 4 | 2 | |
| Islets, Pancreatic
Carcinoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | | |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | | |
| Pituitary Gland
Pars Distalis, Adenoma | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Thyroid Gland
C-cell, Carcinoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS
 Abdominal, Osteosarcoma, Metastatic, Skin

GENITAL SYSTEM

Clitoral Gland

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

Ovary

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

Cystadenoma

X

Granulosa Cell Tumor Benign

Hemangioma

Thecoma Malignant

Uterus

+ + I +

Fibroma

Fibrosarcoma, Metastatic, Skin

Leiomyoma

Vagina

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | | + | | | | | | + | | | | | | | | | | | + |
| Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | |
| Bronchial, Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | M | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | I | + | + |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | X | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | X | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Osteosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | M | + | + | + | |
| Nerve Trigeminal | M | M | + | + | + | + | M | M | M | M | M | M | + | M | + | + | + | + | + | + | + | + | + | + | + | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | X | | | | | X | | | |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinum | | | | | | | | | | | | | | | | | | | | | | | | | + |

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE | 0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---|--------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 | 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 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 5 | 5 | 6 | 7 | 7 | 9 | 0 | 3 | 5 | 5 | 7 | 9 | 0 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 8 | 9 | |
| | | 5 | 9 | 9 | 5 | 9 | 6 | 9 | 0 | 3 | 4 | 0 | 0 | 1 | 0 | 8 | 9 | 6 | 4 | 7 | 8 | 8 | 4 | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | X | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Harderian Gland
Adenoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Renal Mesenchymal Tumor | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | X | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Gallbladder | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | 79 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 83 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Hepatoblastoma | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | | | | X | | | | | X | | | | | | | 14 |
| Hepatocellular Adenoma, Multiple | | | | | | | X | | | X | X | | | | | 5 |
| Hepatocellular Carcinoma | | | | | | | | | | X | | | | X | | 6 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | 2 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | 1 |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
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 | |
| | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 8 | 9 | 9 | 0 | 2 | 4 | 4 | 7 | 8 | 8 | 8 | 1 | 1 | |
| | 2 | 7 | 4 | 3 | 5 | 9 | 0 | 2 | 3 | 8 | 3 | 5 | 6 | 5 | 7 | |
| Mesentery | | | + | + | | | + | | + | + | | | | | 29 | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | 1 | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | 1 | |
| Fat, Hemangioma | | | | | | | | | | | | | | | 1 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | 1 | |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | 1 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | 1 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | 1 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | |
| Aorta | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 84 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | 1 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 | |
| Adenoma | | | | | | | | | | | | | | | 1 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
0 W/kg | DAY ON TEST | | | | | | | | | | | | | | * TOTALS | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|---------|
| | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
0 | 0
7
5
1 | 0
7
5
1 | 0
7
5
1 | 0
7
5
1 | 0
7
5
1 | 0
7
5
1 | 0
7
5
2 | 0
7
5
2 | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 7 | 7 | 8 | 9 | 9 | 0 | 2 | 4 | 4 | 7 | 8 | 8 | 8 | 1 | | 1 |
| Islets, Pancreatic
Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87
1 | |
| Parathyroid Gland | + | + | M | + | M | M | + | + | + | + | M | M | + | M | + | 60 |
| Pituitary Gland
Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 80
6 |
| Thyroid Gland
C-cell, Carcinoma | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 86
1 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | |
| Tissue NOS
Abdominal, Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1
1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Ovary | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | 75 |
| Cystadenoma | | | | | | | | | | | | | | | | 2 |
| Granulosa Cell Tumor Benign | | | | | | | | | | | | | | | | 1 |
| Hemangioma | | | | | | | | | | X | | | | | | 2 |
| Thecoma Malignant | | | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Fibroma | | | | | | | | | X | | | | | | | 1 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Leiomyoma | | | | | | | | | | | | X | | | | 1 |
| Vagina | | | | | | | | | | | | | | | | 0 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Lymph Node | | + | + | + | | | | | + | + | | | | | | 18 |
| Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | X | | | | | | | | | | | | 1 |
| Bronchial, Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | 76 |
| Lymph Node, Mesenteric | M | + | M | + | M | + | + | + | + | M | M | + | + | + | + | 71 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Renal Mesenchymal Tumor, Metastatic, Kidney | | | | | | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | X | | 1 |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | 3 |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | 2 |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Osteosarcoma | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | 2 |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Hemangioma | | | | | | | | | | | | | | | | | 1 | |
| Osteosarcoma | | | | | | | | | | | | | | | | | 1 | |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | 89 | |
| Osteosarcoma | | | | | | | | | | | | | | | | | 1 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | |
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 | |
| Osteosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | 1 | |
| Brain Trigeminal Ganglion | | + | + | + | + | M | M | + | M | M | + | + | M | + | + | + | 75 | |
| Nerve Trigeminal | | M | M | M | + | + | + | M | + | + | M | M | + | + | + | + | 56 | |
| Peripheral Nerve, Sciatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 | |
| Spinal Cord | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | X | | 3 | |
| Alveolar/Bronchiolar Carcinoma | | | | | X | | | | | | | | | | | | 3 | |
| Carcinoma, Metastatic, Thyroid Gland | | | | | | | | | | | | | | | | | 1 | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | 2 | |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | 1 | |
| Osteosarcoma, Metastatic, Skeletal Muscle | | | | | | | | | | | | | | | | | 1 | |
| Osteosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | 1 | |
| Mediastinum | | | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 W/kg | ANIMAL ID | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 7 | 7 | 8 | 9 | 9 | 0 | 2 | 4 | 4 | 7 | 8 | 8 | 8 | 1 | | |
| | 2 | 7 | 4 | 3 | 5 | 9 | 0 | 2 | 3 | 8 | 3 | 5 | 6 | 5 | | |
| | | | | | | | | | | | | | | | * TOTALS | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | 1 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Adenoma | | | | | | | X | | | | | | | | 4 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Renal Mesenchymal Tumor | | | | | | | | | | | | | | | 1 | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | 2 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | 8 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| | 0403 | 0447 | 0458 | 0537 | 0550 | 0552 | 0613 | 0668 | 0666 | 0666 | 0666 | 0667 | 0667 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | |
| 2.5 W/kg | 00383 | 00334 | 00040 | 00036 | 00022 | 00022 | 00061 | 00081 | 00018 | 00094 | 00099 | 00039 | 00035 | 00039 | 00011 | 00011 | 00033 | 00033 | 00033 | 00033 | 00033 | 00033 | 00033 | 00033 | |
| ANIMAL ID | 00383 | 00334 | 00040 | 00036 | 00022 | 00022 | 00061 | 00081 | 00018 | 00094 | 00099 | 00039 | 00035 | 00039 | 00011 | 00011 | 00033 | 00033 | 00033 | 00033 | 00033 | 00033 | 00033 | 00033 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart
Adenocarcinoma, Metastatic, Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | M | + | + | + | + | + | + |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | M | + | + | + | M | + |
| Islets, Pancreatic
Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | M | + | + | + | M | + | M | + | + | M | + | + | + | + | + | M | + | M | + | + | + | M |
| Pituitary Gland
Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | M | + | + | + | + | A | + | M | + | + | + | + | + | I | + |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

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

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE
2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | | | | | | | | |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0
4
0
3 | 0
4
4
7 | 0
4
5
8 | 0
5
3
7 | 0
5
5
0 | 0
5
6
2 | 0
6
1
7 | 0
6
3
8 | 0
6
4
0 | 0
6
5
0 | 0
6
6
7 | 0
6
7
7 | 0
6
7
7 | 0
7
8
4 | 0
7
1
6 | 0
7
1
7 | 0
7
3
0 | 0
7
3
1 | 0
7
3
9 | 0
7
3
9 | | | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | | | | |
| Ovary | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Cystadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Luteoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | M | + | M | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Lymph Node, Mesenteric | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Thymus | + | M | M | + | + | + | + | M | + | + | M | M | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

X

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | X | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | X | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Meningioma Benign | X | | | | | | | | | | | | | | | | | | | | | | | |
| Brain Trigeminal Ganglion | M | M | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | M | + | + | + | + | + |
| Nerve Trigeminal | + | + | + | M | + | M | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | X | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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...) | | |
|--------------------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|
| | | 0403 | 0407 | 0408 | 0403 | 0406 | 0402 | 0402 | 0406 | 0407 | 0408 | 0403 | 0404 | 0403 | 0403 | 0403 | 0403 | 0403 | 0403 | 0403 | 0403 | | 0403 | 0403 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 4 | 5 | 3 | 5 | 6 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 3 | 7 | 8 | 7 | 0 | 2 | 7 | 8 | 0 | 0 | 7 | 7 | 4 | 6 | 7 | 0 | 1 | 9 | 9 | 9 | 9 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 8 | 4 | 0 | 6 | 2 | 2 | 6 | 1 | 8 | 1 | 9 | 4 | 9 | 9 | 3 | 5 | 3 | 9 | 1 | 2 | 3 | 5 | |
| | | 3 | 4 | 3 | 1 | 9 | 2 | 2 | 6 | 7 | 0 | 8 | 7 | 0 | 7 | 3 | 9 | 6 | 6 | 9 | 0 | 5 | 3 | |

Adenocarcinoma, Metastatic, Harderian Gland

X

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

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

Harderian Gland
 Adenocarcinoma
 Adenoma

+
 X
 X X

Lacrimal Gland

URINARY SYSTEM

Kidney

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

Urinary Bladder

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

SYSTEMIC LESIONS

Multiple Organ
 Histiocytic Sarcoma
 Leukemia Erythrocytic
 Lymphoma Malignant

+
 X
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | females
(cont...) |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | 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 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 7 | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 5 | 6 | 7 | 7 | 9 | 3 | 4 | 4 | 5 | 6 | 6 | 9 | |
| | | 8 | 7 | 3 | 5 | 0 | 5 | 4 | 8 | 8 | 1 | 8 | 6 | 0 | 1 | 2 | 5 | 4 | 1 | 6 | 9 | 4 | 3 | 9 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | M |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | X | | | | | | X | X | | | | | X | | | | X | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | + | | | | | | + | + | | | + | + | | | | | | | | | + | + |
| Fat, Lipoma | | | | | | | | | | | | | | X | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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Experiment Number: 20105 - 78
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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE | 2.5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---|----------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| | | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | 0740 | |
| ANIMAL ID | | 00368 | 00367 | 00369 | 00365 | 00300 | 00305 | 00304 | 00308 | 00301 | 00308 | 00301 | 00308 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aorta | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | |
| Islets, Pancreatic Carcinoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | | + | M | M | + | + | M | + | M | + | + | M | M | M | M | + | + | M | + | + | M | M | M | M | + | |
| Pituitary Gland
Pars Distalis, Adenoma | | + | + | + | + | + | + | + | I | M | + | M | + | + | + | + | I | + | + | + | + | + | + | + | + | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Gallbladder | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | 75 |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 82 |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 83 |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 82 |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 81 |
| Adenoma | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | | | | | X | | | | | | | X | X | | | 16 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | X | | | | | 2 |
| Hepatocellular Carcinoma | | X | | | | X | | | X | | | | | | X | 6 |
| Mesentery | | | | | + | | | | | | | | | + | | 24 |
| Fat, Lipoma | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Salivary Glands | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 89 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | |
|---|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 1 | 4 | 6 | 7 | 7 | 8 | 0 | 1 | 2 | 1 | 4 | 5 | 8 | |
| | | 8 | 2 | 0 | 6 | 0 | 8 | 8 | 4 | 7 | 0 | 7 | 2 | 0 | 1 | |
| | | * TOTALS | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Stomach, Glandular | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 87 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | |
| Aorta | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | 1 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Islets, Pancreatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Carcinoma | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | | + | M | + | M | M | M | + | M | + | + | + | + | + | M | 57 |
| Pituitary Gland | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 80 |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | 5 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Clitoral Gland + + + + + + + + + + + + + + + 84

Ovary + + + + + + + + + + + + + + + 86

Cystadenoma X 2

Hemangioma 2

Hemangiosarcoma X 1

Luteoma 1

Uterus + + + + + + + + + + + + + + + 90

Polyp Stromal X 3

HEMATOPOIETIC SYSTEM

Bone Marrow + + + + + + + + + + + + + + + 89

Lymph Node + 20

Lymph Node, Mandibular M + + + + M + + + + I + + + + 77

Lymph Node, Mesenteric + + + + + A + + + + M + + M + 84

Spleen + + + + + + + + + + + + + + + 87

Hemangiosarcoma X 2

Thymus + + + + + M + + + + + + + + + 80

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + + + + + + + + + + 88

Skin + + + + + + + + + + + + + + + 90

Sebaceous Gland, Adenoma 1

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Subcutaneous Tissue, Malignant Fibrous Histiocytoma

1

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | 1 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Meningioma Benign | | | | | | | | | | | | | | | | | 1 |
| Brain Trigeminal Ganglion | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | 74 |
| Nerve Trigeminal | + | M | + | M | M | M | M | M | M | M | + | M | + | M | | | 58 |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | X | | | | | | | | 5 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | X | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 0 | 1 | 4 | 6 | 7 | 7 | 8 | 0 | 1 | 2 | 1 | 4 | 5 | 8 | 8 | 8 | |
| | | 8 | 2 | 0 | 6 | 0 | 8 | 8 | 4 | 7 | 0 | 7 | 2 | 0 | 1 | 2 | 2 | |
| Adenocarcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | 1 | |
| Trachea | | | | | | | | | | | | | | | | | 89 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | |
| Eye | | | | | | | | | | | | | | | | | 88 | |
| Harderian Gland | | | | | | | | | | | | | | | | | 90 | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | 1 | |
| Adenoma | | | | | | | | | | | | | | | | | 7 | |
| Lacrimal Gland | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | |
| Kidney | | | | | | | | | | | | | | | | | 87 | |
| Urinary Bladder | | | | | | | | | | | | | | | | | 87 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | | | | | | | | | | | | | | | | 90 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 2 | |
| Leukemia Erythrocytic | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | 13 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | A | A | A | + | + | + | + |
| Tongue | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | + | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Blood Vessel | + | | | | | | | | + | | | | | | | | | | | | | | | | |
| Heart Hemangioma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adrenal Medulla Pheochromocytoma Benign | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | M | + | M | + | + | + | M | + | M | M | M | M | + | M | + | + | M | + | + | + | + | + | + | M | + | |
| Pituitary Gland Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | X | I | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
|---|--|------------------|-----------------------|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------|
| | | 0
8
6 | 0
3
2
4 | 0
5
1
6 | 0
6
0
0 | 0
6
0
6 | 0
6
2
9 | 0
6
3
1 | 0
6
4
0 | 0
6
4
5 | 0
6
4
6 | 0
6
6
8 | 0
6
6
9 | 0
6
7
4 | 0
6
7
5 | 0
7
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1 | 0
7
0
3 | 0
7
1
2 | 0
7
2
2 | 0
7
2
3 | 0
7
3
8 | 0
7
3
3 | 0
7
3
9 | 0
7
3
9 | 0
7
3
9 | | 0
7
3
9 |
| ANIMAL ID | | 0
5
5
4 | 0
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5
6
5 | 0
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5
4
4 | 0
0
5
5
8
9 | 0
0
5
8
1
3 | 0
0
6
2
1
7 | 0
0
5
1
2
8 | 0
0
6
4
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6 | 0
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5
1
4
8 | 0
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8 | 0
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2 | 0
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0 | 0
0
6
6
7
0 | 0
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6
5
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4 | 0
0
6
6
7
0 | |
| Pars Distalis, Carcinoma | | X | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Thyroid Gland
Follicular Cell, Carcinoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + |

GENERAL BODY SYSTEM

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

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + |
| Ovary
Cystadenoma
Granulosa Cell Tumor Benign
Teratoma Benign | + | + | + | + | + | + | + | + | + | M | + | + | M | M | + | + | I | + | + | + | + | + | + | + | + |
| Oviduct | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus
Hemangiosarcoma
Polyp Stromal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Vagina | + | | | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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...) | |
| | | | 0 | 3 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | | 8 | 2 | 1 | 0 | 0 | 2 | 3 | 4 | 4 | 6 | 6 | 7 | 7 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | | 3 |
| | | | 6 | 4 | 6 | 0 | 6 | 9 | 1 | 0 | 5 | 6 | 8 | 9 | 4 | 5 | 1 | 3 | 2 | 2 | 3 | 8 | 3 | 3 | 9 | | 9 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 6 | 6 | | |
| | | 5 | 6 | 4 | 5 | 8 | 1 | 2 | 1 | 4 | 5 | 1 | 4 | 6 | 0 | 9 | 7 | 9 | 6 | 3 | 3 | 0 | 6 | 7 | 0 | | |
| | | 4 | 5 | 4 | 6 | 9 | 3 | 7 | 8 | 6 | 8 | 9 | 3 | 4 | 3 | 5 | 8 | 2 | 3 | 2 | 7 | 8 | 1 | 9 | 0 | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Harderian Gland
Adenocarcinoma
Adenoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lacrimal Gland | | + | | | | | | | | + | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Ureter | | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urethra | | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ
Histiocytic Sarcoma
Lymphoma Malignant | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | X | X | X | | | | | | | X | | | | | X | | | | | | |
| | | | | X | | | | | | | | X | | | | | X | X | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | M | + | + | + | M | + | + | M | + | + | M | + | + | + | + | M | + | M | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | | | | | | X | | | | | | | X | | | |
| Hepatocellular Adenoma, Multiple | X | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | X | | | |
| Hepatocholangiocarcinoma | | | | X | | | | | | | | | | | | | | | | | | | |
| Mesentery | | + | + | | | + | | | | | | | + | + | | | + | + | | | | + | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Carcinoma, Metastatic, Liver Acinus, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/20/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 13:43:11

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | |
| Heart Hemangioma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla Pheochromocytoma Benign | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | M | + | + | + | M | M | + | M | + | + | + | M | + | + | + | M | M | + | + |
| Pituitary Gland Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| | | | | | | X | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

Pars Distalis, Carcinoma

Thyroid Gland
 Follicular Cell, Carcinoma

+ + + + I + + + + + + + + + + I + + + + + + + + +

GENERAL BODY SYSTEM

Peritoneum

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

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

Ovary
 Cystadenoma
 Granulosa Cell Tumor Benign
 Teratoma Benign

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

Oviduct

Uterus
 Hemangiosarcoma
 Polyp Stromal

+ +

Vagina

HEMATOPOIETIC SYSTEM

Bone Marrow
 Hemangiosarcoma

+
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | M + M + M + | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + + + + + + + + + + + + + + + M + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | | | | | | | | | | | | | | | | | | | | | | | |
| Hemangiosarcoma | + | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + + + + + M + + + + + + + + + + + + + + + + + + M + + | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland | + | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma | + | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | + | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | + | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | + | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | + | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | + | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Brain | + | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Pituitary Gland | + | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|--|
| | 0739 | 0734 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | 0744 | | | |
| 5 W/kg | 0061 | 0055 | 0055 | 0066 | 0088 | 0099 | 0099 | 0000 | 0011 | 0022 | 0022 | 0044 | 0066 | 0088 | 0000 | 0011 | 0011 | 0022 | 0022 | 0055 | 0066 | 0077 | 0099 | 0044 | 0000
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0000 | | |
| Brain Trigeminal Ganglion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | | | |
| Nerve Trigeminal | + | + | + | M | M | + | M | M | + | + | M | + | M | M | + | + | + | + | M | M | + | M | M | + | M | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | X | | | | | | X | | X | | | | | | | | | | | |
| Carcinoma, Metastatic, Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla
Pheochromocytoma Benign | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Islets, Pancreatic
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | M | + | + | + |
| Pituitary Gland
Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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
4 | 0
7
4
5 | 0
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5 | 0
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4
5 | 0
7
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5 | 0
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4
5 | 0
7
4
5 | | |
| 5 W/kg | | 0
0
6
2
8 | 0
0
5
3
0 | 0
0
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3
5 | 0
0
5
5
9 | 0
0
5
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4 | 0
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6 | 0
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7 | 0
0
5
9
5 | |

Pars Distalis, Carcinoma

Thyroid Gland
 Follicular Cell, Carcinoma

+ +

GENERAL BODY SYSTEM

Peritoneum

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

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

Ovary

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

Cystadenoma
 Granulosa Cell Tumor Benign
 Teratoma Benign

X X

Oviduct

Uterus

+ +

Hemangiosarcoma
 Polyp Stromal

X X

Vagina

HEMATOPOIETIC SYSTEM

Bone Marrow

+ I

Hemangiosarcoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Spleen
Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Mammary Gland
Adenocarcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin
Subcutaneous Tissue, Fibrosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Subcutaneous Tissue, Malignant Fibrous
Histiocytoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skeletal Muscle
Sarcoma, Metastatic, Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Brain
Carcinoma, Metastatic, Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 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 | | |
| Brain Trigeminal Ganglion | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | |
| Nerve Trigeminal | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | |
| Peripheral Nerve | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | |
| Peripheral Nerve, Sciatic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spinal Cord | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 0 | |
| | 2 | 3 | 3 | 5 | 6 | 7 | 8 | 8 | 9 | 2 | 2 | 4 | 5 | 7 | 8 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 6 | 7 | 8 | |
| | 8 | 0 | 5 | 5 | 9 | 4 | 1 | 5 | 6 | 4 | 6 | 1 | 0 | 0 | 8 | 5 | 7 | 9 | 5 | 3 | 4 | 8 | 6 | 7 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 0 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Alveolar/Bronchiolar Adenoma | | | X | | | | | | | X | X | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

SPECIAL SENSES SYSTEM

Ear

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 87 |
| Gallbladder | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | 74 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hepatocellular Adenoma | X | | X | | | | | X | | | | | | | | 11 |
| Hepatocellular Adenoma, Multiple | | | X | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma | | | X | | | | | | | | | | | | | 5 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | 1 |
| Mesentery | + | + | | | | | + | | | | | + | | | | 32 |
| Oral Mucosa | | | | | | | | | | | | | | | | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Acinus, Carcinoma | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | |
|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-----------------|
| | 0750 | 0750 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | 0771 | | 0771 |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | |
| | 0091 | 0062 | 0053 | 0053 | 0053 | 0054 | 0054 | 0054 | 0056 | 0056 | 0051 | 0051 | 0052 | 0053 | | 0057 |
| | | | | | | | | | | | | | | | | * TOTALS |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Tongue | | | | | | | | | | | | | | | | 1 |
| Tooth | | | | | | | | | | | | | | | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | |
| Aorta | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Blood Vessel | | | | | | | | | | | | | | | | 2 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangioma | | | | | | | | | | | | | | | | 1 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adrenal Medulla | + | + | + | + | + | + | + | X | M | + | + | + | + | + | + | 86 |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adenoma | | | | | | | X | | | | | | | | | 1 |
| Parathyroid Gland | + | + | + | + | M | + | M | + | + | + | M | M | + | + | + | 64 |
| Pituitary Gland | + | + | + | + | + | + | I | + | I | + | + | M | + | + | + | 84 |
| Pars Distalis, Adenoma | X | | | | | | | | | | | | | X | | 7 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---------|
| | 0750 | 0750 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | | 0751 |
| 5 W/kg | ANIMAL ID | | | | | | | | | | | | | | | |
| | 00591 | 00623 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | 00653 | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | 2 |
| Thyroid Gland
Follicular Cell, Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86
1 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | 1 |
| Tissue NOS | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Cystadenoma | | | | | | | | | | | X | | | | | 3 |
| Granulosa Cell Tumor Benign | | | | | | | X | | | | | | | | | 1 |
| Teratoma Benign | | | | | | | | | | | | | | | | 2 |
| Oviduct | | | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |
| Polyp Stromal | | | | | | | | | | | | | | | | 2 |
| Vagina | | | | | | | | | | | | | | | | 1 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | |
| | | 9 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | 1 | 2 | 4 | 5 | 7 | |
| | | 1 | 5 | 1 | 3 | 9 | 0 | 2 | 7 | 2 | 1 | 1 | 5 | 3 | 1 | |
| | | | | | | | | | | | | | | | | * TOTALS |
| Lymph Node | | | | + | | | | | | + | | | + | | | 16 |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 81 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Spleen | | + | + | + | + | + | + | I | + | + | + | + | + | + | + | 89 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 2 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Adenocarcinoma | | | | | | | | | | | | | | | | 1 |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | 3 |
| Subcutaneous Tissue, Malignant Fibrous Histiocytoma | | | | | | | | | | | | | | X | | 3 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | 1 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | |
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

Lab: IIT

| B6C3F1 MICE FEMALE
5 W/kg | DAY ON TEST | | | | | | | | | | | | | | | * TOTALS |
|---|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|
| | 0750 | 0750 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0751 | 0752 | 0752 | 0752 | 0752 | |
| ANIMAL ID | 0091 | 0062 | 0053 | 0053 | 0053 | 0054 | 0054 | 0054 | 0056 | 0056 | 0056 | 0056 | 0057 | 0057 | 0057 | |
| | Brain Trigeminal Ganglion | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + |
| Nerve Trigeminal | M | M | + | M | M | + | + | + | + | + | + | + | M | M | M | 53 |
| Peripheral Nerve | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve, Sciatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | 88 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | |
| Larynx | | | | | | | | | | | | | | | | 2 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | 7 |
| Carcinoma, Metastatic, Pancreas | | | | | | | | | | | | | | | | 1 |
| Fibrosarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 2 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Pleura | | | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | * TOTALS |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | | |
| | | 9 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | 1 | 2 | 4 | 5 | 7 | 7 | | |
| | | 1 | 5 | 1 | 3 | 9 | 0 | 2 | 7 | 2 | 1 | 1 | 5 | 3 | 1 | 2 | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | 1 | |
| Adenoma | | | | | | | | | | | | | | | | | 5 | |
| Lacrimal Gland | | | | | | | | | | | | | | | | | 2 | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 | |
| Ureter | | | | | | | | | | | | | | | | | 1 | |
| Urethra | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | | + | + | M | + | + | + | + | + | M | + | + | + | + | M | + | 86 | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | 8 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | | 9 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | A | M | A | + | + | + | + | + | A | + | M | + | A | A | A | A | M | M | + | M | + | + | + | M | |
| Intestine Large, Cecum
Leiomyosarcoma | + | A | A | A | + | + | + | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | + | + | |
| Intestine Large, Colon | + | A | + | A | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | A | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | A | + | A | A | A | + | + | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | M | A | A | A | + | + | + | + | A | + | + | + | A | A | A | + | A | A | + | + | + | + | + | + | |
| Intestine Small, Jejunum | A | A | A | A | A | + | + | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | + | + | |
| Liver | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | X | | | | X | | | | | X | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | X | | X | X | | | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | + | | + | | + | + | | | | | | + | + | + | | | + | + | | |
| Fat, Lipoma | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Pancreas | A | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | | 1 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 1 | 9 | 5 | 3 | 6 | 9 | 0 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | |
| | | 1 | 0 | 1 | 4 | 1 | 0 | 7 | 0 | 4 | 9 | 6 | 0 | 1 | 6 | 0 | 0 | 6 | 4 | 9 | 9 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 8 | 7 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | |
| | | 9 | 2 | 7 | 7 | 5 | 7 | 6 | 3 | 5 | 4 | 5 | 1 | 2 | 5 | 7 | 9 | 9 | 8 | 4 | 5 | 6 | |
| | | 5 | 3 | 4 | 7 | 0 | 8 | 4 | 8 | 4 | 2 | 6 | 3 | 2 | 1 | 1 | 2 | 1 | 0 | 1 | 7 | 1 | |

Adenocarcinoma

Skin
Subcutaneous Tissue, Sarcoma

+ +

X

MUSCULOSKELETAL SYSTEM

Bone

+ +

Skeletal Muscle
Osteosarcoma
Rhabdomyosarcoma

+ +

X

NERVOUS SYSTEM

Brain
Carcinoma, Metastatic, Pituitary Gland

+ +

X

Brain Trigeminal Ganglion

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

Nerve Trigeminal
Carcinoma, Metastatic, Pituitary Gland

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

X

Peripheral Nerve, Sciatic

+ +

Spinal Cord

+ +

RESPIRATORY SYSTEM

Lung
Alveolar/Bronchiolar Adenoma
Alveolar/Bronchiolar Carcinoma
Hepatocellular Carcinoma, Metastatic, Liver

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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...) | | |
|---|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|---|---|
| | | 0111 | 0134 | 0145 | 0155 | 0155 | 0166 | 0166 | 0166 | 0166 | 0166 | 0166 | 0166 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Harderian Gland
Adenoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | X |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Urinary Bladder | | + | + | + | A | + | + | + | + | A | + | + | + | A | + | M | + | + | + | + | + | + | + | + |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ
Histiocytic Sarcoma
Lymphoma Malignant | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | X | X | X | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | X | | | X | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

Adenocarcinoma

Skin +
 Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Bone +
 Skeletal Muscle +
 Osteosarcoma X
 Rhabdomyosarcoma

NERVOUS SYSTEM

Brain +
 Carcinoma, Metastatic, Pituitary Gland
 Brain Trigeminal Ganglion + + + + + + + + + + + + + + + M + I + + M + + +
 Nerve Trigeminal + M M M M M M M + M M M M + M M M + + M + M M M
 Carcinoma, Metastatic, Pituitary Gland
 Peripheral Nerve, Sciatic + + + + + + + + + + + + + + I + + + + M + + + + +
 Spinal Cord +

RESPIRATORY SYSTEM

Lung +
 Alveolar/Bronchiolar Adenoma
 Alveolar/Bronchiolar Carcinoma
 Hepatocellular Carcinoma, Metastatic, Liver

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leiomyosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | X | | | | | | | | | | X |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Hepatocellular Carcinoma | | | X | | | X | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Mesentery | | | | | | + | | | + | + | | | | | + | | | | + | | + | | | + | + |
| Fat, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 72 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 82 |
| Leiomyosarcoma | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 81 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 80 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | X | 8 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | 2 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | 5 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | 1 |
| Mesentery | | + | + | | | | | | | | | | | | + | 30 |
| Fat, Lipoma | | | | | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Hemangioma | | X | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | |
|-------------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | |
| | | 6 | 7 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 2 | 3 | 3 | |
| | | 6 | 2 | 7 | 5 | 6 | 8 | 5 | 2 | 9 | 4 | 5 | 4 | 0 | 3 | |
| | | * TOTALS | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 85 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | |
| Aorta | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Heart | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Adrenal Medulla | | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Islets, Pancreatic
Adenoma | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86
1 |
| Parathyroid Gland | | + | + | M | + | M | + | M | + | M | M | + | + | M | | 62 |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
| Pars Distalis, Adenoma | | | | X | | | X | | | | | X | | | | 5 |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | 1 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | 2 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017
 Time Report Requested: 13:43:11
 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 | * TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | |
| | | 6 | 7 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 2 | 3 | 3 | 3 | |
| | | 6 | 2 | 7 | 5 | 6 | 8 | 5 | 2 | 9 | 4 | 5 | 4 | 0 | 3 | 5 | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| Ovary | + | + | + | M | + | + | I | + | + | + | + | M | + | + | + | 80 |
| Cystadenoma | | | | | | | | | | | | | | | | 6 |
| Granulosa Cell Tumor Benign | | | | | | | | | X | | | | | | | 1 |
| Teratoma Benign | | | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 89 |
| Adenocarcinoma | | | | | | | | | | | | | | | | 1 |
| Polyp Stromal | | | | | | | | | | | | | | | | 2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | + | | | | | | | | | + | | + | + | | 14 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 83 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 84 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | |
| | | 6 | 7 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 2 | 3 | 3 | |
| | | 6 | 2 | 7 | 5 | 6 | 8 | 5 | 2 | 9 | 4 | 5 | 4 | 0 | 3 | |
| | | | | | | | | | | | | | | | | * TOTALS |
| Adenocarcinoma | | | | | | | | | | | | | | | X | 1 |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | 1 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Osteosarcoma | | | | | | | | | | | | | | | | 1 |
| Rhabdomyosarcoma | | | | | | | | | | | | | | | | 1 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | |
| Brain | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | 1 |
| Brain Trigeminal Ganglion | | + | + | + | + | M | M | + | + | + | + | + | + | + | + | 79 |
| Nerve Trigeminal | | M | M | M | M | + | + | + | M | M | M | M | + | + | M | 35 |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve, Sciatic | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Spinal Cord | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | X | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 10/20/2017

Time Report Requested: 13:43:11

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 | |
|-------------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | |
| | | 6 | 7 | 9 | 0 | 0 | 0 | 2 | 3 | 3 | 4 | 6 | 2 | 3 | 3 | |
| | | 6 | 2 | 7 | 5 | 6 | 8 | 5 | 2 | 9 | 4 | 5 | 4 | 0 | 3 | |
| | | * TOTALS | | | | | | | | | | | | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Trachea | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 87 |
| Adenoma | | X | | | X | | | | | | | | | X | | 6 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 88 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 86 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 90 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | 5 |
| Lymphoma Malignant | | | X | | | | | | | | | | X | X | | 6 |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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