

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

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

**Date Report Requested:** 08/28/2017  
**Time Report Requested:** 17:23:20  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

Final 1 GSM Mice 14-Week Special Study

**NTP Study Number:** C20105  
**Lock Date:** 04/07/2016  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** 25017 SSAC  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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Lab: IIT

<b>B6C3F1 MICE MALE</b>	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
<b>0 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		5	3	5	3	3	3	5	3	3	3	5	3	5	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	1	1		
		0	0	1	1	2	2	2	4	4	6	8	9	9	0	0	
		5	9	2	8	2	6	7	0	8	3	7	8	9	1	5	
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	8
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

**CARDIOVASCULAR SYSTEM**

Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Lab: IIT

<b>B6C3F1 MICE MALE</b>	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
<b>0 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		5	3	5	3	3	3	5	3	3	3	5	3	5	3	5	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	1	1	0
		0	0	1	1	2	2	2	4	4	6	8	9	9	0	0	0
		5	9	2	8	2	6	7	0	8	3	7	8	9	1	5	5
<b>* TOTALS</b>																	

Blood Vessel																+	1
--------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---

Heart	+		+	+	+	+	+		+	+	+		+	+			10
-------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

**ENDOCRINE SYSTEM**

Adrenal Cortex	+		+	+	+	+	+		+	+	+		+	+			10
----------------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

Adrenal Medulla	+		+	+	+	+	+		+	+	+		+	+			10
-----------------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

Islets, Pancreatic	+		+	+	+	+	+		+	+	+		+	+			10
--------------------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

Parathyroid Gland	M		M	M	M	+			M	M	M		M		+		2
-------------------	---	--	---	---	---	---	--	--	---	---	---	--	---	--	---	--	---

Pituitary Gland	+		+	+	M	+			+	+	+		+		+		9
-----------------	---	--	---	---	---	---	--	--	---	---	---	--	---	--	---	--	---

Thyroid Gland	+		+	+	+	+	+		+	+	+		+		+		10
---------------	---	--	---	---	---	---	---	--	---	---	---	--	---	--	---	--	----

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+		+	+	+	+	+		+	+	+		+	+			10
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Preputial Gland	+		+	+	+	+	+		+	+	+		+	+			10
-----------------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

Prostate	+		+	+	+	+	+		+	+	+		+	+			10
----------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

Seminal Vesicle	+		+	+	+	+	+		+	+	+		+	+			10
-----------------	---	--	---	---	---	---	---	--	---	---	---	--	---	---	--	--	----

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

Lab: IIT

B6C3F1 MICE MALE 0 W/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Testis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
<b>HEMATOPOIETIC SYSTEM</b>																			
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
Lymph Node, Mandibular		+	M	+	+	M	+	M	+	M	M								5
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
<b>INTEGUMENTARY SYSTEM</b>																			
Mammary Gland		M	M	M	M	M	M	+	M	M	M								1
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
<b>MUSCULOSKELETAL SYSTEM</b>																			
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
<b>NERVOUS SYSTEM</b>																			
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
Hemorrhage									1										1 1.0

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 Lab: IIT

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

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+					+	+	+							10
Gallbladder	+	+	+	+					+	M	+							9
Intestine Large, Cecum	+	+	+	+					+	+	+							10
Intestine Large, Colon	+	+	+	+					+	+	+							10
Intestine Large, Rectum	+	+	+	+					+	+	+							10
Intestine Small, Duodenum	+	+	+	+					+	+	+							10
Intestine Small, Ileum	+	+	+	+					+	+	+							10
Intestine Small, Jejunum	+	+	+	+					+	+	+							10
Liver	+	+	+	+					+	+	+							10
Inflammation, Focal									1	1								2 1.0
Pancreas	+	+	+	+					+	+	+							10
Infiltration Cellular, Lymphocyte																	1	1 1.0
Inflammation, Chronic									1									1 1.0
Salivary Glands	+	+	+	+					+	+	+							10
Stomach, Forestomach	+	+	+	+					+	+	+							10
Stomach, Glandular	+	+	+	+					+	+	+							10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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<b>B6C3F1 MICE MALE</b>	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
<b>2.5 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	5	5	3	3	3	5	5	5	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
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
		1	1	2	2	2	3	3	4	5	6	6	6	7	9	0	0
		4	8	2	8	9	3	4	1	6	7	8	9	0	0	4	4
<b>* TOTALS</b>																	

**CARDIOVASCULAR SYSTEM**

Aorta	+	+	+	+					+	+	+									<b>10</b>
Blood Vessel	+																	<b>1</b>		
Heart	+	+	+	+					+	+	+					+	+	+	<b>10</b>	

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+					+	+	+					+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+					+	+	+					+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+					+	+	+					+	+	+	<b>10</b>
Parathyroid Gland	+	+	+	M					M	M	+					+	+	M	<b>6</b>
Pituitary Gland	+	+	+	+					+	+	+					+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+					+	+	+					+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+					+	+	+					+	+	+	<b>10</b>
Preputial Gland	+	+	+	+					+	+	+					+	+	+	<b>10</b>

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Lab: IIT

B6C3F1 MICE MALE 2.5 W/kg	DAY ON TEST															* TOTALS	
	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 5	0 0 9 5	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 5	0 0 9 5	0 0 9 3	0 0 9 3	0 0 9 3	0 0 9 3		
	ANIMAL ID																
	0 0 2 1 4	0 0 2 1 8	0 0 2 2 2	0 0 2 2 2	0 0 2 2 2	0 0 2 3 3	0 0 2 3 3	0 0 2 4 4	0 0 2 5 1	0 0 2 6 6	0 0 2 6 7	0 0 2 6 8	0 0 2 6 9	0 0 2 7 0	0 0 2 9 0	0 0 3 0 4	
Prostate	+	+	+	+				+	+	+				+	+	+	10
Seminal Vesicle	+	+	+	+				+	+	+				+	+	+	10
Testis	+	+	+	+				+	+	+				+	+	+	10
<b>HEMATOPOIETIC SYSTEM</b>																	
Bone Marrow	+	+	+	+				+	+	+				+	+	+	10
Lymph Node, Mandibular	M	M	+	+				+	+	M				+	+	+	7
Lymph Node, Mesenteric	+	+	+	+				+	+	+				+	+	+	10
Spleen	+	+	+	+				+	+	+				+	+	+	10
Thymus	+	+	+	+				+	+	+				+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>																	
Mammary Gland	M	M	M	M				M	M	M				M	M	M	0
Skin	+	+	+	+				+	+	+				+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>																	
Bone	+	+	+	+				+	+	+				+	+	+	10
Skeletal Muscle	+	+	+	+				+	+	+				+	+	+	10
<b>NERVOUS SYSTEM</b>																	

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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
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2.5 W/kg	ANIMAL ID	3	3	3	3	5	5	3	3	3	5	5	5	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	
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
		1	1	2	2	2	3	3	4	5	6	6	6	7	9	9	0	
		4	8	2	8	9	3	4	1	6	7	8	9	0	0	4		
		<b>* TOTALS</b>																
Interstitial, Infiltration Cellular, Lymphocyte		1															<b>1 1.0</b>	
Urinary Bladder		+	+	+	+			+	+	+			+	+	+		<b>10</b>	

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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
	ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			3	3	5	5	5	3	3	3	3	3	3	5	5	3	3	3
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5
			4	5	5	5	6	6	6	7	7	7	7	7	8	0	1	9
			7	1	6	8	0	6	7	0	1	2	7	8	6	3	9	
			<b>* TOTALS</b>															
Aorta			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Blood Vessel									+				+					<b>2</b>
Heart			+	+				+	+	+	+	+	+			+	+	<b>10</b>
<b>ENDOCRINE SYSTEM</b>																		
Adrenal Cortex			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Adrenal Medulla			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Islets, Pancreatic			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Parathyroid Gland			M	M				M	M	M	+	+	+			M	+	<b>4</b>
Pituitary Gland			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Thyroid Gland			+	+				+	+	+	+	+	+			+	+	<b>10</b>
<b>GENERAL BODY SYSTEM</b>																		
NONE																		
<b>GENITAL SYSTEM</b>																		
Epididymis			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Preputial Gland			+	+				+	+	+	+	+	+			+	+	<b>10</b>
Prostate			+	+				+	+	+	+	+	+			+	+	<b>10</b>

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

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE MALE 5 W/kg	DAY ON TEST															* TOTALS
	0093	0093	0095	0095	0093	0093	0093	0093	0093	0093	0093	0095	0093	0093	0093	
ANIMAL ID	0044	0045	0055	0056	0066	0067	0070	0071	0072	0077	0078	0086	0083	0001	0009	
	44	45	55	56	66	67	70	71	72	77	78	86	83	01	09	
	44	45	55	56	66	67	70	71	72	77	78	86	83	01	09	
	44	45	55	56	66	67	70	71	72	77	78	86	83	01	09	
Infiltration Cellular, Lymphocyte	1				1											2 1.0
Seminal Vesicle	+	+			+	+	+	+	+	+			+	+		10
Testis	+	+			+	+	+	+	+	+			+	+		10
<b>HEMATOPOIETIC SYSTEM</b>																
Bone Marrow	+	+			+	+	+	+	+	+			+	+		10
Lymph Node, Mandibular Hemorrhage	+	+			+	+	+	+	+	+			+	+		10
		2								1						2 1.5
Lymph Node, Mesenteric	+	+			+	+	+	+	+	+			+	+		10
Spleen	+	+			+	+	+	+	+	+			+	+		10
Thymus	+	+			+	+	+	+	+	+			+	+		10
<b>INTEGUMENTARY SYSTEM</b>																
Mammary Gland	M	M			M	M	M	M	M	M			M	M		0
Skin	+	+			+	+	+	+	+	+			+	+		10
<b>MUSCULOSKELETAL SYSTEM</b>																
Bone	+	+			+	+	+	+	+	+			+	+		10
Skeletal Muscle	+	+			+	+	+	+	+	+			+	+		10

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 + .. Tissue examined microscopically  
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Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

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

**NERVOUS SYSTEM**

Brain	+	+																	
Brain Trigeminal Ganglion	+	+																	
Nerve Trigeminal	+	+																	
Peripheral Nerve, Sciatic	+	+																	
Spinal Cord	+	+																	

**RESPIRATORY SYSTEM**

Lung	+	+																	
Hemorrhage																			
Nose	+	+																	
Respiratory Epithelium, Hyperplasia																			
Trachea	+	+																	

**SPECIAL SENSES SYSTEM**

Eye	+	+																	
Harderian Gland	+	+																	

**URINARY SYSTEM**

Kidney	+	+																	

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

+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20105 - 78

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

Lab: IIT

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
5 W/kg	ANIMAL ID	3	3	5	5	5	3	3	3	3	3	3	5	5	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5
		4	5	5	5	6	6	6	7	7	7	7	7	8	0	1	1	1
		7	1	6	8	0	6	7	0	1	2	7	8	6	3	9	9	9
		<b>* TOTALS</b>																
Nephropathy, Chronic Progressive																		<b>1 1.0</b>
Interstitialium, Infiltration Cellular, Lymphocyte																		<b>1 1.0</b>
Urinary Bladder																		<b>10</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE MALE</b>	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
<b>10 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	5	3	3	3	3	5	3	5	3	3	3	5	3	5	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7
		3	4	5	6	6	8	9	0	1	2	2	3	3	3	3	3	3
		2	9	6	2	9	1	9	3	8	4	0	5	1	2	3	3	3
<b>* TOTALS</b>																		

**ALIMENTARY SYSTEM**

Esophagus	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Gallbladder	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Intestine Large, Cecum	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Intestine Large, Colon	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Intestine Large, Rectum	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Intestine Small, Duodenum	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Intestine Small, Ileum	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Intestine Small, Jejunum	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Liver	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Pancreas	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Salivary Glands	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Stomach, Forestomach	+	+		+	+	+	+		+		+	+	+					<b>10</b>
Stomach, Glandular	+	+		+	+	+	+		+		+	+	+					<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta	+	+		+	+	+	+		+		+	+	+					<b>10</b>
-------	---	---	--	---	---	---	---	--	---	--	---	---	---	--	--	--	--	-----------

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE MALE</b>	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
<b>10 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	5	3	3	3	3	5	3	5	3	3	5	3	5	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7
		3	4	5	6	6	8	9	0	1	2	2	3	3	3	3	3
		2	9	6	2	9	1	9	3	8	4	0	5	1	2	3	3
<b>* TOTALS</b>																	

Heart

+ + + + + + + + + +

10

**ENDOCRINE SYSTEM**

Adrenal Cortex

+ + + + + + + + + +

10

Adrenal Medulla

+ + + + + + + + + +

10

Islets, Pancreatic

+ + + + + + + + + +

10

Parathyroid Gland

M M + + M + M + + M

5

Pituitary Gland

+ + + + + + + + + +

10

Thyroid Gland

+ + + + + + + + + +

10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis

+ + + + + + + + + +

10

Preputial Gland

+ + + + + + + + + +

10

Prostate

+ + + + + + + + + +

10

Infiltration Cellular, Lymphocyte

1

1 1.0

Seminal Vesicle

+ + + + + + + + + +

10

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X .. Lesion present

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CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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
	ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			3	3	5	3	3	3	3	5	3	5	3	3	5	3	5	3	5
			2	9	6	2	9	1	9	3	8	4	0	5	1	2	3	3	3
			<b>* TOTALS</b>																
Testis			+	+		+	+	+	+		+		+	+		+			<b>10</b>
<b>HEMATOPOIETIC SYSTEM</b>																			
Bone Marrow			+	+		+	+	+	+		+		+	+		+			<b>10</b>
Lymph Node, Mandibular			M	+		+	+	+	+		+		+	M		+			<b>8</b>
Lymph Node, Mesenteric			+	+		+	+	+	+		+		+	+		+			<b>10</b>
Spleen			+	+		+	+	+	+		+		+	+		+			<b>10</b>
Thymus			+	+		+	+	+	+		+		+	+		+			<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>																			
Mammary Gland			M	M		M	M	M	M		M		M	M		M			<b>0</b>
Skin			+	+		+	+	+	+		+		+	+		+			<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>																			
Bone			+	+		+	+	+	+		+		+	+		+			<b>10</b>
Skeletal Muscle			+	+		+	+	+	+		+		+	+		+			<b>10</b>
<b>NERVOUS SYSTEM</b>																			
Brain			+	+		+	+	+	+		+		+	+		+			<b>10</b>
Brain Trigeminal Ganglion			+	+		+	+	+	+		+		+	+		+			<b>10</b>

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+ .. Tissue examined microscopically  
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1-4 .. Lesion qualified as:  
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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		3	3	5	3	3	3	3	5	3	5	3	3	3	5	3	5	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	
		3	4	5	6	6	8	9	0	0	1	2	2	3	3	3	3	3	
		2	9	6	2	9	1	9	3	8	4	0	5	1	2	3	3	3	
																			<b>* TOTALS</b>
Nerve Trigeminal		+	+		+	+	+	+		+		+	+		+				<b>10</b>
Peripheral Nerve, Sciatic		+	+		+	+	+	+		+		+	+		+				<b>10</b>
Spinal Cord		+	+		+	+	+	+		+		+	+		+				<b>10</b>
<b>RESPIRATORY SYSTEM</b>																			
Lung		+	+		+	+	+	+		+		+	+		+				<b>10</b>
Congestion												2							<b>1 2.0</b>
Hemorrhage						1							2						<b>2 1.5</b>
Nose		+	+		+	+	+	+		+		+	+		+				<b>10</b>
Trachea		+	+		+	+	+	+		+		+	+		+				<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>																			
Eye		+	+		+	+	+	+		+		+	+		+				<b>10</b>
Harderian Gland		+	+		+	+	+	+		+		+	+		+				<b>10</b>
<b>URINARY SYSTEM</b>																			
Kidney		+	+		+	+	+	+		+		+	+		+				<b>10</b>
Interstitial, Infiltration Cellular, Lymphocyte													1						<b>1 1.0</b>
Urinary Bladder		+	+		+	+	+	+		+		+	+		+				<b>10</b>

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+ .. Tissue examined microscopically

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2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

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\*\*\* END OF MALE DATA \*\*\*

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Cell Phone Radiation: GSM

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Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE FEMALE</b>	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
<b>0 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
		0	2	3	4	4	4	5	5	6	7	8	8	9	9	9	0	0
		6	9	2	1	4	5	1	8	1	4	0	7	8	9	2		
<b>* TOTALS</b>																		

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Gallbladder	+	M	+	+	+	+		+	+	+	+							<b>9</b>
Intestine Large, Cecum	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Liver Inflammation, Focal	+	+	+	+	+	+		+	+	+	+	1						<b>10</b> <b>1 1.0</b>
Pancreas	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Salivary Glands	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Stomach, Glandular	+	+	+	+	+	+		+	+	+	+							<b>10</b>

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
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1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE FEMALE 0 W/kg	DAY ON TEST																* TOTALS
	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 5	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
	0	2	3	4	4	4	5	5	6	7	8	8	9	9	0	2	
Aorta	+	+	+	+	+	+		+	+	+	+						10
Heart	+	+	+	+	+	+		+	+	+	+						10
<b>ENDOCRINE SYSTEM</b>																	
Adrenal Cortex	+	+	+	+	+	+		+	+	+	+						10
Adrenal Medulla	+	+	+	+	+	+		+	+	+	+						10
Islets, Pancreatic	+	+	+	+	+	+		+	+	+	+						10
Parathyroid Gland	M	+	+	M	+	+		M	+	+	+						7
Pituitary Gland	+	+	+	+	+	+		M	+	+	+						9
Thyroid Gland	+	+	+	+	+	+		+	+	+	+						10
Infiltration Cellular, Lymphocyte								1									1 1.0
<b>GENERAL BODY SYSTEM</b>																	
NONE																	
<b>GENITAL SYSTEM</b>																	
Clitoral Gland	+	+	+	M	+	M		+	+	M	M						6
Ovary	+	+	+	+	+	+		+	+	+	+						10
Uterus	+	+	+	+	+	+		+	+	+	+						10

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

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE FEMALE</b>	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	
<b>0 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	5	2	2	2	2	5	5	5	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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
		0	2	3	4	4	4	5	5	6	7	8	8	9	9	0		
		6	9	2	1	4	5	1	8	1	4	0	7	8	9	2		
<b>* TOTALS</b>																		

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+		+	M	M	+							<b>8</b>
Lymph Node, Mesenteric	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Spleen	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Thymus	+	+	+	+	+	+		+	+	+	+							<b>10</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Skin	+	+	+	+	+	+		+	+	+	+							<b>10</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Skeletal Muscle	+	+	+	+	+	+		+	+	+	+							<b>10</b>

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Brain Trigeminal Ganglion	+	+	+	+	+	+		+	+	+	+							<b>10</b>
Nerve Trigeminal	+	M	+	+	+	+		+	+	+	+							<b>9</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE FEMALE	DAY ON TEST																* TOTALS
	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	0092	
0 W/kg	ANIMAL ID																* TOTALS
	00106	00109	00102	00104	00105	00101	00108	00103	00107	00104	00100	00107	00108	00109	00109	00102	
Peripheral Nerve				+												1	
Peripheral Nerve, Sciatic	+	+	+	+	+	+		+	+	+	+					10	
Spinal Cord	+	+	+	+	+	+		+	+	+	+					10	
<b>RESPIRATORY SYSTEM</b>																	
Lung	+	+	+	+	+	+		+	+	+	+					10	
Nose	+	+	+	+	+	+		+	+	+	+					10	
Trachea	+	+	+	+	+	+		+	+	+	+					10	
<b>SPECIAL SENSES SYSTEM</b>																	
Eye	+	+	+	+	+	+		+	+	+	+					10	
Harderian Gland	+	+	+	+	+	+		+	+	+	+					10	
<b>URINARY SYSTEM</b>																	
Kidney	+	+	+	+	+	+		+	+	+	+					10	
Urinary Bladder	+	+	+	+	+	+		+	+	+	+					10	

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

+ .. Tissue examined microscopically

X .. Lesion present

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE FEMALE</b>	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	
<b>2.5 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		2	2	5	2	2	5	2	2	5	2	2	2	5	2	5		
		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	4	4	4	4	4	
	2	2	2	3	3	4	7	8	8	8	9	0	0	1	1	1	<b>* TOTALS</b>	
	3	5	7	2	9	8	6	0	4	6	2	2	7	5	6			

**ALIMENTARY SYSTEM**

Esophagus	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Gallbladder	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Intestine Large, Cecum	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Intestine Large, Colon	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Intestine Large, Rectum	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Intestine Small, Duodenum	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Intestine Small, Ileum	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Intestine Small, Jejunum	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Liver	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Inflammation, Focal				1						1					<b>2 1.0</b>
Necrosis				1											<b>1 1.0</b>
Pancreas	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Salivary Glands	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Stomach, Forestomach	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Stomach, Glandular	+	+		+	+		+	+		+	+	+		+	<b>10</b>
Infiltration Cellular, Mixed Cell							2								<b>1 2.0</b>

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Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE FEMALE</b>	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	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		2	2	5	2	2	5	2	2	5	2	2	2	2	5	2	
<b>2.5 W/kg</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	
		2	2	2	3	3	4	7	8	8	8	9	0	0	1	1	
		3	5	7	2	9	8	6	0	4	6	2	2	7	5	6	
<b>* TOTALS</b>																	

**CARDIOVASCULAR SYSTEM**

Aorta	+	+		+	+		+	+		+	+	+		+		<b>10</b>
Heart	+	+		+	+		+	+		+	+	+		+		<b>10</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+		+	+		+	+		+	+	+		+		<b>10</b>
Adrenal Medulla	+	+		+	+		+	+		+	+	+		+		<b>10</b>
Islets, Pancreatic	+	+		+	+		+	+		+	+	+		+		<b>10</b>
Parathyroid Gland	+	+		M	M		+	+		+	+	M		+		<b>7</b>
Pituitary Gland	+	+		+	+		+	+		+	+	+		+		<b>10</b>
Thyroid Gland	+	+		+	+		+	+		+	+	+		+		<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+		+	+		M	+		M	+	M		M		<b>6</b>
Ovary	+	+		+	+		+	+		+	+	+		+		<b>10</b>
Uterus	+	+		+	+		+	+		+	+	+		+		<b>10</b>

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

+ .. Tissue examined microscopically

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2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE FEMALE</b>	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
<b>2.5 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		2	2	5	2	2	5	2	2	5	2	2	2	2	5	2	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
		3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4
		2	2	2	3	3	4	7	8	8	8	9	0	0	1	1	1
		3	5	7	2	9	8	6	0	4	6	2	2	7	5	6	6
<b>* TOTALS</b>																	

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Lymph Node, Mandibular	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Lymph Node, Mesenteric	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Spleen	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Thymus Hemorrhage	+	+		+	+		+	+		+	+	+		+			<b>10</b>
				1	1												<b>2 1.0</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Skin	+	+		+	+		+	+		+	+	+		+			<b>10</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Skeletal Muscle	+	+		+	+		+	+		+	+	+		+			<b>10</b>

**NERVOUS SYSTEM**

Brain	+	+		+	+		+	+		+	+	+		+			<b>10</b>
Brain Trigeminal Ganglion	+	+		+	+		M	M		+	+	+		+			<b>8</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE FEMALE 2.5 W/kg	DAY ON TEST																* TOTALS
	0 0 9 2	0 0 9 2	0 0 9 5	0 0 9 2	0 0 9 2	0 0 9 5	0 0 9 2	0 0 9 2	0 0 9 5	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 5	0 0 9 2	0 0 9 5	0 0 9 5	
	ANIMAL ID																
	0 3 2 3	0 3 2 5	0 3 2 7	0 3 3 2	0 3 3 3	0 3 4 8	0 3 7 6	0 3 8 0	0 3 8 4	0 3 8 6	0 3 8 2	0 3 9 2	0 4 0 7	0 4 0 5	0 4 1 6	0 4 1 6	
Nerve Trigeminal	+	+		+	+		+	+		M	+	+		+			9
Peripheral Nerve, Sciatic	+	+		+	+		+	+		+	+	+		+			10
Spinal Cord	+	+		+	+		+	+		+	+	+		+			10
<b>RESPIRATORY SYSTEM</b>																	
Lung Hemorrhage	+	+		+	+		+	+		+	+	+		+			10 1 1.0
Nose	+	+		+	+		+	+		+	+	+		+			10
Trachea	+	+		+	+		+	+		+	+	+		+			10
<b>SPECIAL SENSES SYSTEM</b>																	
Eye	+	+		+	+		+	+		+	+	+		+			10
Harderian Gland	+	+		+	+		+	+		+	+	+		+			10
<b>URINARY SYSTEM</b>																	
Kidney Nephropathy, Chronic Progressive	+	+		+	+		+	+		+	+	+		+			10 1 1.0
Urinary Bladder	+	+		+	+		+	+		+	+	+		+			10

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

+ .. Tissue examined microscopically

X .. Lesion present

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Time Report Requested: 17:23:20

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

Lab: IIT

<b>B6C3F1 MICE FEMALE</b>	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
<b>5 W/kg</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		5	2	2	2	2	5	2	5	2	5	5	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
		5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6
		2	3	3	4	5	7	7	8	8	9	9	0	0	2	3	3
		8	6	8	8	2	3	7	3	4	7	8	2	6	9	0	0
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal				1		1					1	1					4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte				1	1						2						3 1.3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

**CARDIOVASCULAR SYSTEM**

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

+ .. Tissue examined microscopically

X .. Lesion present

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Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	+	M	+	M	+	+	+	M	M	M	M	+	+	+	+		4
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	M	M	+	+	+	+	+	M	M	+	+	+	+	+	+		6
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10

**HEMATOPOIETIC SYSTEM**

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

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

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE FEMALE 5 W/kg	DAY ON TEST																* TOTALS
	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	0095	
	ANIMAL ID																
	00528	00533	00533	00534	00535	00537	00537	00538	00538	00539	00539	00540	00540	00540	00540	00540	00540
Bone Marrow			+	+	+	+		+		+			+	+	+	+	<b>10</b>
Lymph Node, Mandibular		+	+	M	+		+		+			+	+	+	+		<b>9</b>
Lymph Node, Mesenteric		+	+	+	+		+		+			+	+	+	+		<b>10</b>
Spleen		+	+	+	+		+		+			+	+	+	+		<b>10</b>
Thymus Hemorrhage		+	+	+	+		+		+			+	+	+	+		<b>10</b>
			1				1						2				<b>3 1.3</b>
<b>INTEGUMENTARY SYSTEM</b>																	
Mammary Gland		+	+	+	+		+		+			+	+	+	+		<b>10</b>
Skin		+	+	+	+		+		+			+	+	+	+		<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>																	
Bone		+	+	+	+		+		+			+	+	+	+		<b>10</b>
Skeletal Muscle		+	+	+	+		+		+			+	+	+	+		<b>10</b>
<b>NERVOUS SYSTEM</b>																	
Brain		+	+	+	+		+		+			+	+	+	+		<b>10</b>
Brain Trigeminal Ganglion		+	+	+	+		+		+			+	+	+	+		<b>10</b>
Nerve Trigeminal		+	+	+	+		+		+			+	+	+	+		<b>10</b>

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+ .. Tissue examined microscopically

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE FEMALE	DAY ON TEST																* TOTALS
	0095	0092	0092	0092	0092	0095	0092	0095	0092	0095	0092	0095	0092	0095	0092	0095	
5 W/kg	ANIMAL ID																* TOTALS
	00528	00533	00533	00544	00555	00577	00577	00588	00588	00599	00599	00600	00606	00606	00622	00633	
Peripheral Nerve, Sciatic			+	+	+	+		+		+			+	+	+	+	10
Spinal Cord			+	+	+	+		+		+			+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>																	
Lung			+	+	+	+		+		+			+	+	+	+	10
Nose			+	+	+	+		+		+			+	+	+	+	10
Trachea			+	+	+	+		+		+			+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>																	
Eye			+	+	+	+		+		+			+	+	+	+	10
Harderian Gland			+	+	+	+		+		+			+	+	+	+	10
<b>URINARY SYSTEM</b>																	
Kidney			+	+	+	+		+		+			+	+	+	+	10
Interstitial, Infiltration Cellular, Lymphocyte																1 1	3 1.0
Urinary Bladder			+	+	+	+		+		+			+	+	+	+	10

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

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

ALIMENTARY SYSTEM

Esophagus																			9
Gallbladder																			9
Intestine Large, Cecum																			9
Intestine Large, Colon																			9
Intestine Large, Rectum																			9
Intestine Small, Duodenum																			9
Intestine Small, Ileum																			9
Intestine Small, Jejunum																			9
Liver																			9
Inflammation, Focal													1	1	1				3 1.0
Pancreas																			9
Salivary Glands																			9
Stomach, Forestomach																			9
Stomach, Glandular																			9

CARDIOVASCULAR SYSTEM

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Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 08/28/2017

Time Report Requested: 17:23:20

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

Lab: IIT

B6C3F1 MICE FEMALE 10 W/kg	DAY ON TEST															* TOTALS	
	0095	0092	0095	0092	0092	0095	0092	0092	0092	0092	0092	0092	0092	0092	0092		0092
	ANIMAL ID																
	00736	00745	00746	00755	00767	00772	00783	00786	00793	00794	00804	00808	00816	00826	00836	00840	00860

Aorta			+	+	+			+	+	+				+	+		+
Heart			+	+	+			+	+	+				+	+	+	+

**ENDOCRINE SYSTEM**

Adrenal Cortex			+	+	+			+	+	+				+	+		+
Adrenal Medulla			+	+	+			+	+	+				+	+		+
Islets, Pancreatic			+	+	+			+	+	+				+	+		+
Parathyroid Gland			M	M	+			+	M	M				+	M		M
Pituitary Gland			+	+	+			+	+	+				+	+		+
Thyroid Gland			+	+	+			+	+	+				+	+		+

**GENERAL BODY SYSTEM**

NONE																	
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**GENITAL SYSTEM**

Clitoral Gland			+	+	M			M	M	+				+	M		+
Ovary			+	+	+			+	+	+				+	+		+
Uterus			+	+	+			+	+	+				+	+		+

**HEMATOPOIETIC SYSTEM**

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B6C3F1 MICE FEMALE 10 W/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		5	2	5	2	2	5	2	2	2	5	2	2	2	5	2		
		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	8	8	8	8	8	
		3	4	4	5	6	8	8	8	9	9	9	1	2	3	4		
		6	5	6	5	7	2	3	6	3	4	8	6	6	6	0		
Bone Marrow			+	+	+		+	+	+			+	+		+		9	
Lymph Node, Mandibular			M		+	+		+	+	+			+	+		+	8	
Lymph Node, Mesenteric			+		+	+		+	+	+			+	+		+	9	
Spleen			+		+	+		+	M	+			+	+		+	8	
Thymus			+		+	+		+	+	+			+	+		+	9	
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland			+		+	+		+	+	+			+	+		+	9	
Skin			+		+	+		+	+	+			+	+		+	9	
Hair Follicle, Inflammation, Chronic Active										2							1 2.0	
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone			+		+	+		+	+	+			+	+		+	9	
Skeletal Muscle			+		+	+		+	+	+			+	+		+	9	
<b>NERVOUS SYSTEM</b>																		
Brain			+		+	+		+	+	+			+	+	+	+	10	
Brain Trigeminal Ganglion			+		+	+		+	+	+			+	+		+	9	
Nerve Trigeminal			+		+	+		+	+	+			+	+		+	9	

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Experiment Number: 20105 - 78

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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	0095	0092	0095	0092	0092	0095	0092	0092	0092	0092	0092	0092	0092	0092	0092	
ANIMAL ID	00736	00745	00746	00755	00767	00772	00783	00786	00793	00799	00804	00806	00812	00813	00816	
	Peripheral Nerve, Sciatic		+		+	+		I	+	+			+	+		+
Spinal Cord Cyst, Squamous, Multiple		+		+	+			+	+	+		+	+	+	+	
					X										1	
<b>RESPIRATORY SYSTEM</b>																
Lung		+		+	+			+	+	+			+	+	+	
Nose		+		+	+			+	+	+			+	+	+	
Trachea		+		+	+			+	+	+			+	+	+	
<b>SPECIAL SENSES SYSTEM</b>																
Eye		+		+	+			+	+	+			+	+	+	
Harderian Gland Infiltration Cellular, Lymphocyte		+		+	+			+	+	+			+	+	+	
										1					1 1.0	
<b>URINARY SYSTEM</b>																
Kidney		+		+	+			+	+	+			+	+	+	
Urinary Bladder Infiltration Cellular, Lymphocyte		+		+	+			+	+	+			+	+	+	
								2							1 2.0	

\*\*\* END OF REPORT \*\*\*

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