

**Experiment Number:** 20105 - 56  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA  
**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 01/02/2018  
**Time Report Requested:** 13:31:50  
**First Dose M/F:** 09/16/12 / 09/16/12  
**Lab:** IIT

Final 2 - Data Changes through 12-15-17 CDMA SSAC Rats Only

**NTP Study Number:** C20105B  
**Lock Date:** 12/29/2015  
**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

Note: Animals arranged according to days on test.

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Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>	<b>0.0W/kg(CDMA)chr</b>	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
		4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	
	0	0	2	2	3	3	3	6	7	8	0	2	5	9	0	0	
	5	8	5	8	1	2	7	8	9	2	7	6	6	0	3		
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

\* .. 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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Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>MALE</b> <b>0.0W/kg(CDMA)chr</b>	DAY ON TEST	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
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4	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
		5	5	5	5	5	5	5	5	5	5	5	5	5	6	6
		0	0	2	2	3	3	3	6	7	8	0	2	5	9	0
		5	8	5	8	1	2	7	8	9	2	7	6	6	0	3
<b>* TOTALS</b>																

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC 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 - 56

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Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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CAS Number: CELLPRADCDMA

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First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 0.0W/kg(CDMA)chr	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	
Bone Marrow	4	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	
Lymph Node, Mandibular	4	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	
Lymph Node, Mesenteric	4	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	
Spleen	4	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	
Thymus	4	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland																	10	
Skin																	10	
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone																	10	
Skeletal Muscle																	10	
<b>NERVOUS SYSTEM</b>																		
Brain																	10	
Nerve Trigeminal																	10	
Peripheral Nerve, Sciatic																	10	
Peripheral Nerve, Tibial																	10	

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Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS MALE	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6
0.0W/kg(CDMA)chr	5	8	5	8	1	2	3	7	8	9	2	7	6	6	6	9	0	3	3
																			* TOTALS
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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
<b>SYSTEMIC LESIONS</b>																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

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Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>	<b>1.5W/kg(CDMA)chr</b>	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
		4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	3	3	3	3	3	3	3	4	4	4	3	3	3	3	4	4	
	4	6	7	7	7	8	9	0	0	1	4	4	4	5	2	0	
	9	3	0	1	9	5	7	4	6	8	1	2	7	0	0	0	
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<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>
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>	<b>1.5W/kg(CDMA)chr</b>	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
		4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	4	4	
	4	6	7	7	7	8	9	0	0	1	4	4	4	5	2			
	9	3	0	1	9	5	7	4	6	8	1	2	7	0				
<b>* TOTALS</b>																		

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+								<b>9</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>
Prostate	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Testis	+	+	+	+	+	+	+	+	+	+								<b>10</b>

**HEMATOPOIETIC SYSTEM**

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Lab: IIT

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
HARLAN SPRAGUE DAWLEY RATS MALE	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6
1.5W/kg(CDMA)chr																		
ANIMAL ID	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
	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	4	4	4
	4	6	7	7	7	8	9	0	0	1	4	4	4	5	2			
	9	3	0	1	9	5	7	4	6	8	1	2	7	0	0			
	<b>* TOTALS</b>																	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Trigeminal Ganglion	+	+	+	+	+	+	+		+	+								<b>9</b>
<b>RESPIRATORY SYSTEM</b>																		
Lung	+	+	+	+	+	+	+	+	+	+								<b>10</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>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+								<b>10</b>
<b>SYSTEMIC LESIONS</b>																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+								<b>10</b>

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>	<b>3.0W/kg(CDMA)chr</b>	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
		4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	6	6	6	6	6	6	5	5	6	6	6	6	
	5	8	9	9	0	0	1	2	3	3	6	9	2	2	4	4	
	8	1	6	8	1	3	3	1	2	4	8	5	6	7	7	7	
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

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

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>MALE</b> <b>3.0W/kg(CDMA)chr</b>	DAY ON TEST	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	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	6	6	6	6	6	5	5	6	6	6	6	
		8	1	6	8	1	3	3	1	2	3	6	9	2	2	4	
																	<b>* TOTALS</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M							<b>9</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	M							<b>9</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Preputial Gland	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Prostate	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Testis	+	+	+	+	+	+	+	+	+	+							<b>10</b>

**HEMATOPOIETIC 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 3.0W/kg(CDMA)chr	DAY ON TEST															* TOTALS		
	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 6	0 9 6	0 9 6		0 9 6	
ANIMAL ID	0 1 5 8	0 1 5 8	0 1 5 6	0 1 5 8	0 1 6 0 1	0 1 6 0 3	0 1 6 1 3	0 1 6 1 3	0 1 6 2 2	0 1 6 3 4	0 1 6 3 8	0 1 5 6 5	0 1 6 9 2 6	0 1 6 2 2 7	0 1 6 4 4 7			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	M						9	
Lymph Node												+						1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	M						9	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	M						9	
Spleen	+	+	+	+	+	+	+	+	+	+	M						9	
Thymus	+	+	+	+	+	+	+	+	+	+						10		
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+						10		
Skin	+	+	+	+	+	+	+	+	+	+						10		
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone	+	+	+	+	+	+	+	+	+	+	M						9	
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	M						9	
<b>NERVOUS SYSTEM</b>																		
Brain	+	+	+	+	+	+	+	+	+	+						10		
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+						10		
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	M						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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
ANIMAL ID	4	4	4	4	4	4	4	4	4	4	4	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	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3.0W/kg(CDMA)chr	5	5	5	5	6	6	6	6	6	6	5	5	6	6	6	6	6	6	6	
	8	8	9	9	0	0	1	2	3	3	6	9	2	2	7	4	7	4	7	
	<b>* TOTALS</b>																			
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	M									<b>9</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
<b>RESPIRATORY SYSTEM</b>																				
Lung	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Nose	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Trachea	+	+	+	+	+	+	+	+	+	+	M								<b>9</b>	
<b>SPECIAL SENSES SYSTEM</b>																				
Eye	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Harderian Gland	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
<b>URINARY SYSTEM</b>																				
Kidney	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+									<b>10</b>	
<b>SYSTEMIC LESIONS</b>																				

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>MALE</b> <b>6.0W/kg(CDMA)chr</b>	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
		4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		7	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8
		9	0	1	2	2	3	4	4	5	5	9	1	1	1	4	4
		6	5	0	3	4	8	1	2	0	9	2	1	8	9	6	6
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

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

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(CDMA)chr	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
		4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		7	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8
		9	0	1	2	2	3	4	4	5	5	9	1	1	1	4	4
		6	5	0	3	4	8	1	2	0	9	2	1	8	9	6	6
<b>* TOTALS</b>																	

ENDOCRINE SYSTEM

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

HEMATOPOIETIC 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(CDMA)chr	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		
		4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6		
		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		
		7	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8		
		9	0	1	2	2	3	4	4	5	5	9	1	1	1	4	4		
		6	5	0	3	4	8	1	2	0	9	2	1	8	9	6	6		
																			<b>* TOTALS</b>

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

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	M	+	+									<b>9</b>
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

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
HARLAN SPRAGUE DAWLEY RATS MALE	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6
6.0W/kg(CDMA)chr																		
ANIMAL ID	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
	7	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8
	9	0	1	2	2	3	4	4	5	5	9	1	1	1	1	4	4	4
	6	5	0	3	4	8	1	2	0	9	2	1	8	9	6	6	6	6
	<b>* TOTALS</b>																	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>RESPIRATORY SYSTEM</b>																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SPECIAL SENSES SYSTEM</b>																		
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>URINARY SYSTEM</b>																		
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SYSTEMIC LESIONS</b>																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

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

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\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	7	0	2
<b>0.0W/kg(CDMA)chr</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	2	5	6	7	7	8	8	0	1	3	4	6	0	2	0	2
<b>* TOTALS</b>																		

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>FEMALE</b> <b>0.0W/kg(CDMA)chr</b>	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	3	3	3	3	3	3	3	3	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
		6	6	6	6	6	6	6	6	7	6	6	6	6	7	0	0
		0	1	2	5	6	7	7	8	8	0	1	3	4	6	0	0
		6	2	0	0	7	3	6	2	5	0	7	8	0	2	2	2
<b>* TOTALS</b>																	

**ENDOCRINE SYSTEM**

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

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
HARLAN SPRAGUE DAWLEY RATS FEMALE	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6
0.0W/kg(CDMA)chr																		
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
	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	7	0	7
	0	1	2	5	6	7	3	6	8	8	0	1	3	4	6	0	2	2
	<b>* TOTALS</b>																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>NERVOUS SYSTEM</b>																		
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

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
HARLAN SPRAGUE DAWLEY RATS FEMALE	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6
0.0W/kg(CDMA)chr																		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	7	0	0
	0	1	2	5	6	7	7	8	8	0	1	3	4	6	0	0	0	0
	6	2	0	0	7	3	6	2	5	0	7	8	0	2	2	2	2	2
	<b>* TOTALS</b>																	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trigeminal Ganglion	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>RESPIRATORY SYSTEM</b>																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SPECIAL SENSES SYSTEM</b>																		
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>URINARY SYSTEM</b>																		
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SYSTEMIC LESIONS</b>																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(CDMA)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
		44	44	44	55	55	55	55	55	55	44	44	55	55	55	55	33
		84	88	98	00	00	00	00	18	38	64	72	02	07	03	09	
																	<b>* TOTALS</b>

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS FEMALE</b>  <b>1.5W/kg(CDMA)chr</b>	DAY ON TEST	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	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		4	4	4	5	5	5	5	5	5	4	4	5	5	5	5	
		8	8	9	0	0	0	0	0	1	3	6	7	0	0	3	
		4	8	8	0	3	6	8	9	8	8	4	2	2	7	9	
																<b>* TOTALS</b>	

**ENDOCRINE SYSTEM**

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

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
HARLAN SPRAGUE DAWLEY RATS FEMALE	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6
1.5W/kg(CDMA)chr																		
ANIMAL ID	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
	4	4	4	5	5	5	5	5	5	5	5	4	4	5	5	5	5	3
	8	8	9	0	0	0	0	0	1	3	6	7	0	0	0	0	0	3
	4	8	8	0	3	6	8	9	8	8	4	2	2	7	9			
	<b>* TOTALS</b>																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	+							<b>10</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>
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+							<b>10</b>

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
<b>HARLAN SPRAGUE DAWLEY RATS</b>	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6			
<b>FEMALE</b>																				
<b>1.5W/kg(CDMA)chr</b>																				
	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			
	4	4	4	5	5	5	5	5	5	5	4	4	5	5	5	5	5			
	8	8	9	0	0	0	0	0	1	3	6	7	0	0	0	3	9			
	4	8	8	0	3	6	8	9	8	8	4	2	2	7	7	9				<b>* TOTALS</b>
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+										<b>10</b>
Trigeminal Ganglion	I	+	+	+	+	+	+	+	+	+										<b>9</b>
<b>RESPIRATORY SYSTEM</b>																				
Lung	+	+	+	+	+	+	+	+	+	+										<b>10</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>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+										<b>10</b>
<b>SYSTEMIC LESIONS</b>																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+										<b>10</b>

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>HARLAN SPRAGUE DAWLEY RATS FEMALE</b>	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
<b>3.0W/kg(CDMA)chr</b>	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6
ANIMAL ID	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
	6	6	6	6	7	7	7	7	7	7	6	6	7	7	7	7	7
	6	6	8	9	1	2	3	3	4	5	6	8	0	2	5	5	3
	4	9	0	4	3	6	1	3	8	0	6	8	5	8	3		
<b>* TOTALS</b>																	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+							<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>
Heart	+	+	+	+	+	+	+	+	+	+							<b>10</b>

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>FEMALE</b> <b>3.0W/kg(CDMA)chr</b>	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	3	3	3	3	3	3	3	3	6	6	6	6	6	6
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		6	6	6	6	7	7	7	7	7	7	6	6	7	7	7	7
		6	6	8	9	1	2	3	3	4	5	6	8	0	2	5	5
		4	9	0	4	3	6	1	3	8	0	6	8	5	8	3	3
<b>* TOTALS</b>																	

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+								<b>9</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+								<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+								<b>10</b>
Lymph Node										+								<b>1</b>

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(CDMA)chr	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	
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
<b>NERVOUS SYSTEM</b>																		
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Nerve Trigeminal		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Sciatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Tibial		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spinal Cord, Cervical		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
HARLAN SPRAGUE DAWLEY RATS FEMALE	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6	6	
3.0W/kg(CDMA)chr																				
ANIMAL ID	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	
	6	6	6	6	7	7	7	7	7	7	6	6	7	7	7	7	7	7	7	
	6	6	8	9	1	2	3	3	4	5	6	8	0	2	5	8	3			
	4	9	0	4	3	6	1	3	8	0	6	8	5	8	3					
																				* TOTALS
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+										10
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+										10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+										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
<b>SYSTEMIC LESIONS</b>																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+										10

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS FEMALE</b>	<b>6.0W/kg(CDMA)chr</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		8	8	8	9	9	9	9	9	9	9	8	8	9	9	9	9	9
		8	8	8	0	0	1	1	3	5	6	7	7	0	4	5	5	5
		2	3	7	0	9	1	8	6	7	6	5	7	4	1	0		
<b>* TOTALS</b>																		

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

\* .. 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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>FEMALE</b> <b>6.0W/kg(CDMA)chr</b>	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	3	3	3	3	3	3	3	3	6	6	6	6	6	6
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		8	8	8	8	9	9	9	9	9	9	8	8	9	9	9	9
		8	8	8	0	0	1	1	3	5	6	7	7	0	4	5	5
		2	3	7	0	9	1	8	6	7	6	5	7	4	1	0	0
<b>* TOTALS</b>																	

**ENDOCRINE SYSTEM**

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

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
HARLAN SPRAGUE DAWLEY RATS FEMALE	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	6
6.0W/kg(CDMA)chr																		
ANIMAL ID	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
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	2	3	7	0	0	9	1	8	3	6	7	6	5	7	4	1	0	0
	<b>* TOTALS</b>																	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trigeminal Ganglion	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
<b>RESPIRATORY SYSTEM</b>																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SPECIAL SENSES SYSTEM</b>																		
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>URINARY SYSTEM</b>																		
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SYSTEMIC LESIONS</b>																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\*\*\* 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  
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