

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

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

NTP Study Number: C20105
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
HARLAN SPRAGUE DAWLEY RATS MALE	0.0W/kg(GSM)chr	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	6	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	3	
* TOTALS																	

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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Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 0.0W/kg(GSM)chr	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
		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
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	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	3
* TOTALS																	

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

HARLAN SPRAGUE DAWLEY RATS MALE 0.0W/kg(GSM)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 6	0 9 6	0 9 6	0 9 6	
ANIMAL ID	0 5 0 5	0 0 5 8	0 0 5 5	0 0 5 2	0 0 5 8	0 0 5 1	0 0 5 3	0 0 5 2	0 0 5 7	0 0 5 8	0 0 5 6	0 0 5 7	0 0 5 8	0 0 5 0	0 0 5 9	0 0 5 3
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM																
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	ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HARLAN SPRAGUE DAWLEY RATS MALE	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
0.0W/kg(GSM)chr	4	4	4	4	4	4	4	4	4	4	4	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	5	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		* TOTALS
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+							10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+							10
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+							10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+							10
RESPIRATORY SYSTEM																	
Lung	+	+	+	+	+	+	+	+	+	+							10
Nose	+	+	+	+	+	+	+	+	+	+							10
Trachea	+	+	+	+	+	+	+	+	+	+							10
SPECIAL SENSES SYSTEM																	
Eye	+	+	+	+	+	+	+	+	+	+							10
Harderian Gland	+	+	+	+	+	+	+	+	+	+							10
URINARY SYSTEM																	
Kidney	+	+	+	+	+	+	+	+	+	+							10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+							10
SYSTEMIC LESIONS																	
Multiple Organ	+	+	+	+	+	+	+	+	+	+							10

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
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First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 1.5W/kg(GSM)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
		0	0	0	0	0	0	0	0	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	8	8	8	7	7	7	7	7	7	7
		2	2	3	6	6	7	8	0	0	1	4	4	4	4	9	9
		0	3	9	0	1	9	2	2	3	9	1	4	5	6	4	4
		* TOTALS															

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

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HARLAN SPRAGUE DAWLEY RATS MALE 1.5W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	8	8	8	7	7	7	7	7	7
		2	2	3	6	6	7	8	0	0	0	1	4	4	4	9	9
		0	3	9	0	1	9	2	2	3	9	1	4	5	6	4	4
* TOTALS																	

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

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

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
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HARLAN SPRAGUE DAWLEY RATS MALE 1.5W/kg(GSM)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		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
INTEGUMENTARY SYSTEM																		
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
MUSCULOSKELETAL SYSTEM																		
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
NERVOUS SYSTEM																		
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Nerve Trigeminal		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Sciatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Tibial		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	

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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	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
	7	7	7	7	7	7	7	8	8	8	7	7	7	7	7	7	7	7
1.5W/kg(GSM)chr	2	2	3	6	6	7	8	0	0	0	1	4	4	4	4	9	9	9
	0	3	9	0	1	9	2	2	3	9	1	1	5	6	4	4	4	4
																		* TOTALS
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+								10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+								10
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+								10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+								10
RESPIRATORY SYSTEM																		
Lung	+	+	+	+	+	+	+	+	+	+								10
Nose	+	+	+	+	+	+	+	+	+	+								10
Trachea	+	+	+	+	+	+	+	+	+	+								10
SPECIAL SENSES SYSTEM																		
Eye	+	+	+	+	+	+	+	+	+	+								10
Harderian Gland	+	+	+	+	+	+	+	+	+	+								10
URINARY SYSTEM																		
Kidney	+	+	+	+	+	+	+	+	+	+								10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+								10
SYSTEMIC LESIONS																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+								10

* .. Total animals with tissue examined microscopically; Total animals with tumor
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Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 3.0W/kg(GSM)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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
		9	9	9	9	9	9	9	9	0	9	9	9	9	9	0	0
		2	2	2	3	4	4	5	6	9	0	2	5	5	6	2	5
		1	5	9	6	0	8	6	9	5	6	2	2	8	7	5	5
* TOTALS																	

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 3.0W/kg(GSM)chr	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	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	1	0	0	0	0	1	0	
		9	9	9	9	9	9	9	9	0	9	9	9	9	0	0	
		2	2	2	3	4	4	5	6	9	0	2	5	5	6	2	
		1	5	9	6	0	8	6	9	5	6	2	2	8	7	5	
* TOTALS																	

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

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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	6	6	6	6	6	6	6	6
3.0W/kg(GSM)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	1	0	0	0	0	0	1	0	0
	9	9	9	9	9	9	9	9	9	0	9	9	9	9	9	0	0	0
	2	2	2	3	4	4	5	6	9	0	2	5	5	6	2	5	2	5
	1	5	9	6	0	8	6	9	5	6	2	2	8	7	5	5	5	5
	* TOTALS																	
Bone Marrow	+	+	+	+	+	+	+	+	+	+								10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+								10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+								10
Spleen	+	+	+	+	+	+	+	+	+	+								10
Thymus	+	+	+	+	+	+	+	+	+	+								10
INTEGUMENTARY SYSTEM																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+								10
Skin	+	+	+	+	+	+	+	+	+	+								10
MUSCULOSKELETAL SYSTEM																		
Bone	+	+	+	+	+	+	+	+	+	+								10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+								10
NERVOUS SYSTEM																		
Brain	+	+	+	+	+	+	+	+	+	+								10
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+								10
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+								10
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+								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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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	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
	9	9	9	9	9	9	9	9	9	9	0	9	9	9	9	9	0	1
3.0W/kg(GSM)chr	2	2	2	3	4	4	5	6	9	0	2	5	5	6	7	2	5	5
	1	5	9	6	0	8	6	9	5	6	2	2	8	7	5			
																		* TOTALS
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+								10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+								10
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+								10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+								10
RESPIRATORY SYSTEM																		
Lung	+	+	+	+	+	+	+	+	+	+								10
Nose	+	+	+	+	+	+	+	+	+	+								10
Trachea	+	+	+	+	+	+	+	+	+	+								10
SPECIAL SENSES SYSTEM																		
Eye	+	+	+	+	+	+	+	+	+	+								10
Harderian Gland	+	+	+	+	+	+	+	+	+	+								10
URINARY SYSTEM																		
Kidney	+	+	+	+	+	+	+	+	+	+								10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+								10
SYSTEMIC LESIONS																		
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	M	+	M	+	+	+	+	+	+	+	8
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)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		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
INTEGUMENTARY SYSTEM																		
Mammary Gland		+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	8	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
MUSCULOSKELETAL SYSTEM																		
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Skeletal Muscle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
NERVOUS SYSTEM																		
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Nerve Trigeminal		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Sciatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Tibial		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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		
HARLAN SPRAGUE DAWLEY RATS MALE	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6		
6.0W/kg(GSM)chr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2		
	3	4	4	4	5	7	8	9	1	2	8	0	1	3	3	3	3		
	2	2	7	8	3	3	6	2	2	1	5	4	6	2	3	3	3		* TOTALS
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+									10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+									10
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+									10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+									10
RESPIRATORY SYSTEM																			
Lung	+	+	+	+	+	+	+	+	+	+									10
Nose	+	+	+	+	+	+	+	+	+	+									10
Trachea	+	+	+	+	+	+	+	+	+	+									10
SPECIAL SENSES SYSTEM																			
Eye	+	+	+	+	+	+	+	+	+	+									10
Harderian Gland	+	+	+	+	+	+	+	+	+	+									10
URINARY SYSTEM																			
Kidney	+	+	+	+	+	+	+	+	+	+									10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+									10
SYSTEMIC LESIONS																			
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

*** END OF MALE DATA ***

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

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

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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
HARLAN SPRAGUE DAWLEY RATS FEMALE	0.0W/kg(GSM)chr	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	3	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	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	0	2
* TOTALS																	

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 0.0W/kg(GSM)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
		3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6
		6	6	6	6	6	6	6	6	7	6	6	6	6	7	0	2
		0	1	2	5	6	7	7	8	8	0	1	3	4	6	0	2
		6	2	0	0	7	3	6	2	5	0	7	8	0	2		
* TOTALS																	

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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(GSM)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	6	7	6	6	6	6	7	6	7
0	1	2	5	6	7	3	7	8	8	0	1	3	4	6	0	2	0	
6	2	0	0	0	0	0	0	2	5	0	7	8	0	2	2	2	2	
	* TOTALS																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM																		
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM																		
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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			
HARLAN SPRAGUE DAWLEY RATS	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6			
FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
0.0W/kg(GSM)chr	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	7	0			
	0	1	2	5	6	7	7	8	8	0	1	3	4	6	0	2	0			
	6	2	0	0	7	3	6	2	5	0	7	8	0	2						* TOTALS
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+										10
Trigeminal Ganglion	+	+	+	+	I	+	+	+	+	+										9
RESPIRATORY SYSTEM																				
Lung	+	+	+	+	+	+	+	+	+	+										10
Nose	+	+	+	+	+	+	+	+	+	+										10
Trachea	+	+	+	+	+	+	+	+	+	+										10
SPECIAL SENSES SYSTEM																				
Eye	+	+	+	+	+	+	+	+	+	+										10
Harderian Gland	+	+	+	+	+	+	+	+	+	+										10
URINARY SYSTEM																				
Kidney	+	+	+	+	+	+	+	+	+	+										10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+										10
SYSTEMIC LESIONS																				
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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
HARLAN SPRAGUE DAWLEY RATS FEMALE		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
	1.5W/kg(GSM)chr																
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8	8	8	8	8	8	8	8	9	8	8	8	9	9	9	9
		3	3	4	5	7	8	8	9	9	1	5	6	8	0	0	0
		4	5	9	5	7	2	3	5	8	5	0	7	6	3	6	6
* TOTALS																	

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(GSM)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
		3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6
		8	8	8	8	8	8	8	8	9	8	8	8	8	9	9	9
		3	3	4	5	7	8	8	9	9	1	5	6	8	0	0	0
		4	5	9	5	7	2	3	5	8	5	0	7	6	3	6	6
* TOTALS																	

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+							10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+							10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+							10
Parathyroid Gland	+	+	+	+	+	+	+	+	M	M							8
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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 1.5W/kg(GSM)chr	3	3	3	3	3	3	3	3	3	3	3	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
ANIMAL ID	8	8	8	8	8	8	8	8	8	9	8	8	8	9	9	9	9	9	9
	3	3	4	5	7	8	8	9	9	1	5	6	8	0	0	0	0	0	0
	4	5	9	5	7	2	3	5	8	5	0	7	6	3	6				
																			* TOTALS
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+									10
Spleen	+	+	+	+	+	+	+	+	+	+									10
Thymus	+	+	+	+	+	+	+	+	+	+									10
INTEGUMENTARY SYSTEM																			
Mammary Gland	+	+	+	+	+	+	+	+	+	+									10
Skin	+	+	+	+	+	+	+	+	+	+									10
MUSCULOSKELETAL SYSTEM																			
Bone	+	+	+	+	+	+	+	+	+	+									10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+									10
NERVOUS SYSTEM																			
Brain	+	+	+	+	+	+	+	+	+	+									10
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+									10
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+									10
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+									10
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+									10
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+									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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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(GSM)chr																		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9	8	8	8	8	9	9	9	9
	3	3	4	5	7	8	8	9	9	1	5	6	8	0	0	0	0	0
	4	5	9	5	7	2	3	5	8	5	0	7	6	3	6			
	* TOTALS																	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+								
	10																	
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+								
	10																	
RESPIRATORY SYSTEM																		
Lung	+	+	+	+	+	+	+	+	+	+								
	10																	
Nose	+	+	+	+	+	+	+	+	+	+								
	10																	
Trachea	+	+	+	+	+	+	+	+	+	+								
	10																	
SPECIAL SENSES SYSTEM																		
Eye	+	+	+	+	+	+	+	+	+	+								
	10																	
Harderian Gland	+	+	+	+	+	+	+	+	+	+								
	10																	
URINARY SYSTEM																		
Kidney	+	+	+	+	+	+	+	+	+	+								
	10																	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+								
	10																	
SYSTEMIC LESIONS																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+								
	10																	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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
	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	6	6	6	6	6	6	6
3.0W/kg(GSM)chr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
	4	5	7	8	9	9	9	0	2	2	4	4	6	7	8	8	2
	4	4	3	9	0	4	5	6	1	6	7	9	0	2	2	2	2
	* TOTALS																

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

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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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	6	6	6	6	6	6	6	6
3.0W/kg(GSM)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
	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
	4	5	7	8	9	9	9	0	2	2	4	4	6	7	8	8	8	8
	4	4	3	9	0	4	5	6	1	6	7	9	0	2	2	2	2	2
	* TOTALS																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+								
Spleen	+	+	+	+	+	+	+	+	+	+								
Thymus	+	+	+	+	+	+	+	+	+	+								
INTEGUMENTARY SYSTEM																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+								
Skin	+	+	+	+	+	+	+	+	+	+								
MUSCULOSKELETAL SYSTEM																		
Bone	+	+	+	+	+	+	+	+	+	+								
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+								
NERVOUS SYSTEM																		
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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	
3.0W/kg(GSM)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	
	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	
	4	5	7	8	9	9	9	0	2	2	4	4	6	7	8	8	8	8	
	4	4	3	9	0	4	5	6	1	6	7	9	0	2	2	2	2	2	
	* TOTALS																		
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM																			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
URINARY SYSTEM																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
SYSTEMIC LESIONS																			
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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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
HARLAN SPRAGUE DAWLEY RATS FEMALE 6.0W/kg(GSM)chr	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3
		6	6	7	8	9	0	1	2	3	3	3	8	1	1	1	1
	3	9	9	9	3	2	5	5	4	6	6	9	5	3	4		
* TOTALS																	

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
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M .. Missing tissue
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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
	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	6	6	6	6	6	6
6.0W/kg(GSM)chr																
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3
	6	6	7	8	9	0	1	2	3	3	3	8	1	1	1	1
	3	9	9	9	3	2	5	5	4	6	6	9	5	3	4	4
* TOTALS																

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

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
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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	6	6	6	6	6	6	6	6
6.0W/kg(GSM)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
	2	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3	3	3
	6	6	7	8	9	0	1	2	3	3	3	3	8	1	1	1	1	1
	3	9	9	9	3	2	5	5	4	6	6	9	5	3	4			
	* TOTALS																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+								
Spleen	+	+	+	+	+	+	+	+	+	+								
Thymus	+	+	+	+	+	+	+	+	+	+								
INTEGUMENTARY SYSTEM																		
Mammary Gland	+	+	+	+	+	+	+	+	+	+								
Skin	+	+	+	+	+	+	+	+	+	+								
MUSCULOSKELETAL SYSTEM																		
Bone	+	+	+	+	+	+	+	+	+	+								
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+								
NERVOUS SYSTEM																		
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
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 A .. Autolysis precludes evaluation
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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(GSM)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
	2	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3	3	3
	6	6	7	8	9	0	1	2	3	3	3	3	8	1	1	1	1	1
	3	9	9	9	3	2	5	5	4	6	6	9	5	3	4			
	* TOTALS																	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+								10
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+								10
RESPIRATORY SYSTEM																		
Lung	+	+	+	+	+	+	+	+	+	+								10
Nose	+	+	+	+	+	+	+	+	+	+								10
Trachea	+	+	+	+	+	+	+	+	+	+								10
SPECIAL SENSES SYSTEM																		
Eye	+	+	+	+	+	+	+	+	+	+								10
Harderian Gland	+	+	+	+	+	+	+	+	+	+								10
URINARY SYSTEM																		
Kidney	+	+	+	+	+	+	+	+	+	+								10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+								10
SYSTEMIC LESIONS																		
Multiple Organ	+	+	+	+	+	+	+	+	+	+								10

*** 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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