

**Experiment Number:** 20105 - 59  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

**CAS Number:** CELLPRADGSM

**Date Report Requested:** 01/10/2018

**Time Report Requested:** 13:44:25

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

**Lab:** IIT

Custom Report with Litter-Based Statistics

<b>NTP Study Number:</b>	C20105		
<b>Lock Date:</b>	12/29/2015		
<b>Cage Range:</b>	ALL		
<b>Date Range:</b>	ALL		
<b>Reasons For Removal:</b>	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC		
<b>Removal Date Range:</b>	ALL		
<b>Treatment Groups:</b>	Include ALL		
<b>Study Gender:</b>	Both		
<b>TDMSE Version:</b>	2.5.0.0_sfh		
<b>PWG Approval Date:</b>	NONE		

Experiment Number: 20105 - 59

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF CELL PHONE RADIATION: GSM**

**MALE RATS**

**Organ**

Adrenal Cortex

Adrenal Medulla

Aorta

Bone Marrow

Bone

Brain: Cerebellum

Brain: Choroid Plexus

Epididymis

Eye: Cornea

Eye: Retina

Harderian Gland

Heart: All Sites

Heart: Artery

Heart: Myocardium

Heart: Ventricle Right

Intestine Large, Cecum

Intestine Large, Cecum: Artery

Intestine Large, Cecum: Epithelium

Intestine Large, Colon: Artery

Intestine Large, Colon: Epithelium

Intestine Large, Rectum: Epithelium

Islets, Pancreatic

Kidney: Renal Tubule

Liver

**Morphology**

Degeneration

Hypertrophy

Necrosis

Hyperplasia

Mineral

Hypercellularity

Fibrous Osteodystrophy

Atrophy

Mineral

Exfoliated Germ Cell

Hypospermia

Fibrosis

Ulcer

Atrophy

Hyperplasia

Cardiomyopathy

Inflammation Chronic

Mineral

Mineral

Cardiomyopathy

Edema

Erosion

Inflammation Acute

Ulcer

Inflammation Chronic

Regeneration

Inflammation Chronic

Regeneration

Regeneration

Hyperplasia

Cyst

Clear Cell Focus

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF CELL PHONE RADIATION: GSM**

Liver: Artery	Eosinophilic Focus
Liver: Bile Duct	Mixed Cell Focus
	Inflammation Chronic
Liver: Hepatocyte	Cyst
Lung	Hyperplasia
	Necrosis
Lymph Node, Mandibular	Foreign Body
	Hemorrhage
	Congestion
	Hyperplasia Lymphocyte
	Proliferation Plasma Cell
Lymph Node, Mesenteric	Erythrophagocytosis
Lymph Node: Iliac, Lymphatic Sinus	Ectasia
Mammary Gland	Hyperplasia
Mammary Gland: Duct	Dilation
Mesentery: Artery	Mineral
Nerve Trigeminal	Degeneration
Nose: Respiratory Epithelium	Hyperplasia
Pancreas: Acinus	Hyperplasia
Pancreas: Artery	Inflammation Chronic
	Mineral
Parathyroid Gland	Hyperplasia
Pituitary Gland: Pars Distalis	Cyst
Prostate	Inflammation Chronic
Salivary Glands: Artery	Inflammation Chronic
Seminal Vesicle	Decreased Secretory Fluid
	Inflammation Acute
Skeletal Muscle	Degeneration
Skin	Cyst Epithelial Inclusion
Spinal Cord, Lumbar	Degeneration
Spinal Cord, Lumbar: Nerve	Degeneration
Spinal Cord, Thoracic	Degeneration
Spleen	Extramedullary Hematopoiesis
	Hyperplasia Lymphocyte
	Pigment
Spleen: Red Pulp	Atrophy

Experiment Number: 20105 - 59

Test Type: CHRONIC

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF CELL PHONE RADIATION: GSM**

Spleen: White Pulp  
Stomach, Forestomach

Stomach, Glandular  
Testis: Artery  
Testis: Germ Cell  
Thymus  
Thymus: Artery  
Trigeminal Ganglion

**FEMALE RATS**

**Organ**

Adrenal Cortex

Adrenal Medulla  
Brain  
Clitoral Gland  
Harderian Gland  
Heart  
Heart: Ventricle Right  
Islets, Pancreatic  
Kidney  
Liver  
Liver: Kupffer Cell  
Lung: Alveolus  
Lymph Node, Mandibular  
Lymph Node, Mandibular: Lymphatic Sinus  
Lymph Node: Iliac  
Mammary Gland

Nose: Olfactory Epithelium  
Ovary

Atrophy  
Edema  
Ulcer  
Mineral  
Inflammation Chronic  
Degeneration  
Ectopic Parathyroid Gland  
Inflammation Chronic  
Degeneration

**Morphology**

Degeneration Cystic  
Hyperplasia  
Vacuolation, Cytoplasmic  
Hyperplasia  
Compression  
Inflammation Chronic  
Atrophy  
Cardiomyopathy  
Cardiomyopathy  
Hyperplasia  
Nephropathy Chronic Progressive  
Eosinophilic Focus  
Hyperplasia  
Infiltration Cellular Histiocyte  
Proliferation Plasma Cell  
Ectasia  
Proliferation Plasma Cell  
Galactocele  
Hyperplasia  
Hyperplasia Atypical  
Accumulation, Hyaline Droplet  
Atrophy  
Inflammation Chronic

**Experiment Number:** 20105 - 59

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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**Lab:** IIT

**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF CELL PHONE RADIATION: GSM**

Pancreas: Periductal  
Parathyroid Gland  
Peripheral Nerve, Sciatic  
Salivary Glands: Sublingual Gland  
Spinal Cord, Cervical  
Spleen  
Spleen: Red Pulp  
Stomach, Forestomach  
  
Thymus  
  
Thyroid Gland: C-Cell  
Trigeminal Ganglion  
Uterus  
  
Uterus: Endometrium

Cholangiofibrosis  
Fibrosis  
Degeneration  
Atrophy  
Degeneration  
Pigment  
Atrophy  
Inflammation Chronic  
Ulcer  
Atrophy  
Cyst  
Hyperplasia Epithelial  
Hyperplasia  
Degeneration  
Cyst  
Inflammation Chronic  
Hyperplasia Cystic

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Accessory Adrenal Cortical Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/90 (7%)	7/90 (8%)	6/90 (7%)	4/88 (5%)
LITTERS (b)	6/35 (17%)	5/35 (14%)	6/35 (17%)	4/35 (11%)
POLY-3 RATE (c)	6/66.57	7/75.22	6/77.89	4/76.61
POLY-3 PERCENT (g)	9%	9.3%	7.7%	5.2%
TERMINAL (d)	3/25 (12%)	5/45 (11%)	6/50 (12%)	4/60 (7%)
FIRST INCIDENCE	610	639	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197N	P=0.591	P=0.507N	P=0.289N
POLY 1.5	P=0.233N	P=0.549	P=0.554N	P=0.333N
POLY 6	P=0.151N	P=0.571N	P=0.436N	P=0.225N
RAO-SCOTT	P=0.222N	P=0.577	P=0.502N	P=0.301N
LITTER C-A/FISHERS	P=0.330N	P=0.500N	P=0.624	P=0.367N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	2/88 (2%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	0/74.87	1/78.01	2/76.66
POLY-3 PERCENT (g)	0%	0%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	---	699	716
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.083	(e)	P=0.535	P=0.275
POLY 1.5	P=0.076	(e)	P=0.520	P=0.255
POLY 6	P=0.096	(e)	P=0.557	P=0.310
RAO-SCOTT	P=0.136	(e)	P=0.567	P=0.331
LITTER C-A/FISHERS	P=0.069	(e)	P=0.500	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

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Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	0/88 (0%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/66.37	0/74.87	0/77.89	0/76.61
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	496	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.054N	P=0.101N	P=0.095N	P=0.098N
POLY 1.5	P=0.050N*	P=0.110N	P=0.105N	P=0.110N
POLY 6	P=0.063N	P=0.087N	P=0.081N	P=0.081N
RAO-SCOTT	P=0.125N	P=0.218N	P=0.213N	P=0.217N
LITTER C-A/FISHERS	P=0.047N*	P=0.120N	P=0.120N	P=0.120N



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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	2/88 (2%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	0/74.87	2/77.89	2/76.67
POLY-3 PERCENT (g)	0%	0%	2.6%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	---	---	730 (T)	714
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.108	(e)	P=0.279	P=0.275
POLY 1.5	P=0.096	(e)	P=0.261	P=0.255
POLY 6	P=0.130	(e)	P=0.308	P=0.310
RAO-SCOTT	P=0.161	(e)	P=0.339	P=0.336
LITTER C-A/FISHERS	P=0.085	(e)	P=0.246	P=0.246

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Species/Strain: RATS/HSD

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	47/90 (52%)	46/90 (51%)	46/90 (51%)	45/88 (51%)
LITTERS (b)	29/35 (83%)	32/35 (91%)	27/35 (77%)	31/35 (89%)
POLY-3 RATE (c)	47/76.79	46/79.66	46/81.90	45/79.66
POLY-3 PERCENT (g)	61.2%	57.8%	56.2%	56.5%
TERMINAL (d)	15/25 (60%)	30/45 (67%)	29/50 (58%)	36/60 (60%)
FIRST INCIDENCE	496	530	505	472
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.313N	P=0.386N	P=0.308N	P=0.325N
POLY 1.5	P=0.382N	P=0.436N	P=0.375N	P=0.401N
POLY 6	P=0.216N	P=0.305N	P=0.221N	P=0.214N
RAO-SCOTT	P=0.318N	P=0.388N	P=0.315N	P=0.331N
LITTER C-A/FISHERS	P=0.452	P=0.239	P=0.383N	P=0.367

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	35/90 (39%)	43/90 (48%)	50/90 (56%)	54/88 (61%)
LITTERS (b)	28/35 (80%)	27/35 (77%)	28/35 (80%)	30/35 (86%)
POLY-3 RATE (c)	35/71.88	43/78.84	50/83.83	54/81.63
POLY-3 PERCENT (g)	48.7%	54.5%	59.7%	66.2%
TERMINAL (d)	15/25 (60%)	25/45 (56%)	33/50 (66%)	39/60 (65%)
FIRST INCIDENCE	498	518	526	472
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	P=0.282	P=0.104	P=0.016*
POLY 1.5	P=0.005**	P=0.209	P=0.053	P=0.006**
POLY 6	P=0.046*	P=0.437	P=0.238	P=0.070
RAO-SCOTT	P=0.014*	P=0.281	P=0.109	P=0.020*
LITTER C-A/FISHERS	P=0.269	P=0.500N	P=0.617	P=0.376

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	3/90 (3%)	4/90 (4%)	0/88 (0%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	4/35 (11%)	0/35 (0%)
POLY-3 RATE (c)	5/66.47	3/75.11	4/79.24	0/76.61
POLY-3 PERCENT (g)	7.5%	4%	5.1%	0%
TERMINAL (d)	1/25 (4%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	577	673	505	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.026N*	P=0.294N	P=0.393N	P=0.023N*
POLY 1.5	P=0.031N*	P=0.324N	P=0.438N	P=0.028N*
POLY 6	P=0.020N*	P=0.250N	P=0.330N	P=0.016N*
RAO-SCOTT	P=0.038N*	P=0.306N	P=0.399N	P=0.035N*
LITTER C-A/FISHERS	P=0.033N*	P=0.355N	P=0.500N	P=0.027N*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Thrombus</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	1/90 (1%)	0/90 (0%)	0/88 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.75	1/75.03	0/77.89	0/76.61
POLY-3 PERCENT (g)	3%	1.3%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	666	687	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.101N	P=0.454N	P=0.203N	P=0.206N
POLY 1.5	P=0.101N	P=0.475N	P=0.217N	P=0.223N
POLY 6	P=0.102N	P=0.420N	P=0.183N	P=0.182N
RAO-SCOTT	P=0.160N	P=0.500N	P=0.291N	P=0.295N
LITTER C-A/FISHERS	P=0.100N	P=0.500N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

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Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Vacuolation, Cytoplasmic</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	20/90 (22%)	32/90 (36%)	25/90 (28%)	22/88 (25%)
<b>LITTERS (b)</b>	17/35 (49%)	22/35 (63%)	20/35 (57%)	17/35 (49%)
<b>POLY-3 RATE (c)</b>	20/69.49	32/80.01	25/80.19	22/78.34
<b>POLY-3 PERCENT (g)</b>	28.8%	40%	31.2%	28.1%
<b>TERMINAL (d)</b>	5/25 (20%)	15/45 (33%)	13/50 (26%)	15/60 (25%)
<b>FIRST INCIDENCE</b>	510	518	579	554
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.253N	P=0.099	P=0.444	P=0.536N
<b>POLY 1.5</b>	P=0.340N	P=0.061	P=0.356	P=0.513
<b>POLY 6</b>	P=0.149N	P=0.190	P=0.569N	P=0.383N
<b>RAO-SCOTT</b>	P=0.288N	P=0.110	P=0.440	P=0.527N
<b>LITTER C-A/FISHERS</b>	P=0.409N	P=0.168	P=0.316	P=0.594

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	42/88 (48%)	24/90 (27%)	26/89 (29%)	35/87 (40%)
LITTERS (b)	27/35 (77%)	19/35 (54%)	19/35 (54%)	25/35 (71%)
POLY-3 RATE (c)	42/74.57	24/77.82	26/79.83	35/77.85
POLY-3 PERCENT (g)	56.3%	30.8%	32.6%	45%
TERMINAL (d)	9/23 (39%)	11/45 (24%)	13/49 (27%)	28/59 (48%)
FIRST INCIDENCE	440	531	539	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.282N	P<0.001N**	P=0.002N**	P=0.100N
POLY 1.5	P=0.321N	P<0.001N**	P=0.003N**	P=0.137N
POLY 6	P=0.227N	P<0.001N**	P<0.001N**	P=0.059N
RAO-SCOTT	P=0.282N	P=0.002N**	P=0.004N**	P=0.120N
LITTER C-A/FISHERS	P=0.524N	P=0.038N*	P=0.038N*	P=0.393N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Aorta Dilation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	1/75.01	3/78.44	0/77.66
POLY-3 PERCENT (g)	0%	1.3%	3.8%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	---	694	649	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.561N	P=0.527	P=0.157	(e)
POLY 1.5	P=0.595N	P=0.514	P=0.141	(e)
POLY 6	P=0.504N	P=0.548	P=0.185	(e)
RAO-SCOTT	P=0.628N	P=0.649	P=0.297	(e)
LITTER C-A/FISHERS	P=0.616N	P=0.500	P=0.246	(e)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Aorta</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	30/90 (33%)	7/90 (8%)	12/90 (13%)	6/90 (7%)
LITTERS (b)	20/35 (57%)	6/35 (17%)	11/35 (31%)	6/35 (17%)
POLY-3 RATE (c)	30/76.21	7/76.37	12/79.90	6/78.73
POLY-3 PERCENT (g)	39.4%	9.2%	15%	7.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	3/60 (5%)
FIRST INCIDENCE	496	582	539	595
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P<0.001N**	P=0.002N**	P<0.001N**
LITTER C-A/FISHERS	P=0.003N**	P<0.001N**	P=0.027N*	P<0.001N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Bone Marrow Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	3/35 (9%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	1/75.14	3/78.04	0/77.66
POLY-3 PERCENT (g)	0%	1.3%	3.8%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	656	708	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.561N	P=0.527	P=0.156	(e)
POLY 1.5	P=0.595N	P=0.515	P=0.140	(e)
POLY 6	P=0.504N	P=0.548	P=0.182	(e)
RAO-SCOTT	P=0.604N	P=0.560	P=0.215	(e)
LITTER C-A/FISHERS	P=0.634	P=0.500	P=0.120	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Bone Marrow</b>				
<b>Hypercellularity</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/90 (17%)	42/90 (47%)	32/90 (36%)	23/90 (26%)
LITTERS (b)	13/35 (37%)	27/35 (77%)	24/35 (69%)	16/35 (46%)
POLY-3 RATE (c)	15/70.25	42/82.13	32/84.37	23/83.04
POLY-3 PERCENT (g)	21.4%	51.1%	37.9%	27.7%
TERMINAL (d)	5/25 (20%)	21/45 (47%)	12/50 (24%)	10/60 (17%)
FIRST INCIDENCE	440	291	454	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.247N	P<0.001**	P=0.018*	P=0.235
POLY 1.5	P=0.383N	P<0.001**	P=0.009**	P=0.167
POLY 6	P=0.105N	P<0.001**	P=0.047*	P=0.369
RAO-SCOTT	P=0.343N	P<0.001**	P=0.023*	P=0.238
LITTER C-A/FISHERS	P=0.500N	P<0.001**	P=0.008**	P=0.314

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Bone</b>				
<b>Fibrous Osteodystrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	46/90 (51%)	18/90 (20%)	14/90 (16%)	6/90 (7%)
LITTERS (b)	26/35 (74%)	13/35 (37%)	12/35 (34%)	5/35 (14%)
POLY-3 RATE (c)	46/79.83	18/78.86	14/80.58	6/79.57
POLY-3 PERCENT (g)	57.6%	22.8%	17.4%	7.5%
TERMINAL (d)	4/25 (16%)	2/45 (4%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	496	562	526	554
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/90 (8%)	9/90 (10%)	4/90 (4%)	10/90 (11%)
LITTERS (b)	7/35 (20%)	9/35 (26%)	3/35 (9%)	9/35 (26%)
POLY-3 RATE (c)	7/67.18	9/76.30	4/78.01	10/79.87
POLY-3 PERCENT (g)	10.4%	11.8%	5.1%	12.5%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	3/50 (6%)	5/60 (8%)
FIRST INCIDENCE	541	486	699	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.432	P=0.502	P=0.188N	P=0.445
POLY 1.5	P=0.386	P=0.453	P=0.219N	P=0.380
POLY 6	P=0.502	P=0.580	P=0.147N	P=0.551
RAO-SCOTT	P=0.446	P=0.489	P=0.189N	P=0.437
LITTER C-A/FISHERS	P=0.443	P=0.388	P=0.153N	P=0.388

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain</b>				
<b>Edema</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	2/75.03	1/78.31	0/77.66
POLY-3 PERCENT (g)	0%	2.7%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	703	610	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.394N	P=0.270	P=0.535	(e)
POLY 1.5	P=0.424N	P=0.255	P=0.520	(e)
POLY 6	P=0.346N	P=0.296	P=0.558	(e)
RAO-SCOTT	P=0.468N	P=0.328	P=0.574	(e)
LITTER C-A/FISHERS	P=0.461N	P=0.246	P=0.500	(e)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	1/90 (1%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	2/66.00	1/74.97	2/78.54	0/77.66
POLY-3 PERCENT (g)	3%	1.3%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	657	705	537	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.176N	P=0.456N	P=0.629N	P=0.204N
POLY 1.5	P=0.187N	P=0.476N	P=0.656N	P=0.219N
POLY 6	P=0.161N	P=0.423N	P=0.586N	P=0.181N
RAO-SCOTT	P=0.211N	P=0.466N	P=0.621N	P=0.242N
LITTER C-A/FISHERS	P=0.199N	P=0.500N	P=0.693	P=0.246N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	5/90 (6%)	4/90 (4%)	6/90 (7%)	2/90 (2%)
<b>LITTERS (b)</b>	5/35 (14%)	4/35 (11%)	4/35 (11%)	2/35 (6%)
<b>POLY-3 RATE (c)</b>	5/66.34	4/75.21	6/77.91	2/77.66
<b>POLY-3 PERCENT (g)</b>	7.5%	5.3%	7.7%	2.6%
<b>TERMINAL (d)</b>	1/25 (4%)	3/45 (7%)	5/50 (10%)	2/60 (3%)
<b>FIRST INCIDENCE</b>	527	636	724	730 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.155N	P=0.423N	P=0.609	P=0.162N
<b>POLY 1.5</b>	P=0.179N	P=0.459N	P=0.563	P=0.187N
<b>POLY 6</b>	P=0.123N	P=0.366N	P=0.568N	P=0.125N
<b>RAO-SCOTT</b>	P=0.191N	P=0.434N	P=0.599	P=0.195N
<b>LITTER C-A/FISHERS</b>	P=0.166N	P=0.500N	P=0.500N	P=0.214N



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/90 (8%)	3/90 (3%)	4/90 (4%)	3/90 (3%)
LITTERS (b)	7/35 (20%)	3/35 (9%)	4/35 (11%)	3/35 (9%)
POLY-3 RATE (c)	7/67.91	3/75.16	4/79.44	3/79.20
POLY-3 PERCENT (g)	10.3%	4%	5%	3.8%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	580	687	537	397
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.132N	P=0.124N	P=0.185N	P=0.108N
POLY 1.5	P=0.146N	P=0.141N	P=0.217N	P=0.131N
POLY 6	P=0.115N	P=0.100N	P=0.144N	P=0.079N
RAO-SCOTT	P=0.136N	P=0.139N	P=0.199N	P=0.123N
LITTER C-A/FISHERS	P=0.157N	P=0.153N	P=0.256N	P=0.153N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Cerebellum Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	2/77.66
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.051	(e)	(e)	P=0.278
POLY 1.5	P=0.049*	(e)	(e)	P=0.259
POLY 6	P=0.055	(e)	(e)	P=0.312
RAO-SCOTT	P=0.274	(e)	(e)	P=0.547
LITTER C-A/FISHERS	P=0.198	(e)	(e)	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Choroid Plexus</b>				
<b>Mineral</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/66.48	1/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	4.5%	1.3%	0%	0%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	541	730 (T)	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044N*	P=0.265N	P=0.095N	P=0.096N
POLY 1.5	P=0.044N*	P=0.284N	P=0.106N	P=0.107N
POLY 6	P=0.046N*	P=0.237N	P=0.082N	P=0.080N
RAO-SCOTT	P=0.088N	P=0.339N	P=0.174N	P=0.175N
LITTER C-A/FISHERS	P=0.043N*	P=0.307N	P=0.120N	P=0.120N

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Brain: Glial Cell  
Hyperplasia

---

LESION RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	2/75.27	3/77.89	1/77.66
POLY-3 PERCENT (g)	0%	2.7%	3.9%	1.3%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	3/50 (6%)	1/60 (2%)
FIRST INCIDENCE	---	615	730 (T)	730 (T)

---

STATISTICAL TESTS				
POLY 3	P=0.541	P=0.270	P=0.155	P=0.534
POLY 1.5	P=0.497	P=0.255	P=0.140	P=0.518
POLY 6	P=0.613	P=0.297	P=0.181	P=0.559
RAO-SCOTT	P=0.506	P=0.288	P=0.182	P=0.528
LITTER C-A/FISHERS	P=0.444	P=0.246	P=0.120	P=0.500

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Brain: Pineal Gland  
Mineral

---

**LESION RATES**

OVERALL (a)	3/90 (3%)	10/90 (11%)	8/90 (9%)	3/90 (3%)
LITTERS (b)	3/35 (9%)	9/35 (26%)	7/35 (20%)	3/35 (9%)
POLY-3 RATE (c)	3/65.82	10/77.66	8/79.11	3/77.71
POLY-3 PERCENT (g)	4.6%	12.9%	10.1%	3.9%
TERMINAL (d)	1/25 (4%)	6/45 (13%)	5/50 (10%)	2/60 (3%)
FIRST INCIDENCE	663	291	579	716

---

**STATISTICAL TESTS**

POLY 3	P=0.206N	P=0.075	P=0.174	P=0.583N
POLY 1.5	P=0.260N	P=0.058	P=0.142	P=0.619N
POLY 6	P=0.137N	P=0.108	P=0.232	P=0.520N
RAO-SCOTT	P=0.274N	P=0.098	P=0.198	P=0.572N
LITTER C-A/FISHERS	P=0.347N	P=0.055	P=0.153	P=0.663

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Pineal Gland</b>				
<b>Vacuolation, Cytoplasmic</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	12/90 (13%)	19/90 (21%)	20/90 (22%)	13/90 (14%)
<b>LITTERS (b)</b>	12/35 (34%)	14/35 (40%)	16/35 (46%)	10/35 (29%)
<b>POLY-3 RATE (c)</b>	12/68.69	19/78.74	20/80.81	13/79.70
<b>POLY-3 PERCENT (g)</b>	17.5%	24.1%	24.8%	16.3%
<b>TERMINAL (d)</b>	3/25 (12%)	9/45 (20%)	12/50 (24%)	9/60 (15%)
<b>FIRST INCIDENCE</b>	248	291	505	397
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.315N	P=0.214	P=0.188	P=0.513N
<b>POLY 1.5</b>	P=0.396N	P=0.166	P=0.136	P=0.586
<b>POLY 6</b>	P=0.209N	P=0.306	P=0.286	P=0.394N
<b>RAO-SCOTT</b>	P=0.356N	P=0.231	P=0.206	P=0.508N
<b>LITTER C-A/FISHERS</b>	P=0.318N	P=0.402	P=0.232	P=0.399N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Epididymis</b>				
<b>Exfoliated Germ Cell</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	51/90 (57%)	26/90 (29%)	29/90 (32%)	15/90 (17%)
<b>LITTERS (b)</b>	28/35 (80%)	17/35 (49%)	23/35 (66%)	13/35 (37%)
<b>POLY-3 RATE (c)</b>	51/81.72	26/78.56	29/81.53	15/79.89
<b>POLY-3 PERCENT (g)</b>	62.4%	33.1%	35.6%	18.8%
<b>TERMINAL (d)</b>	6/25 (24%)	9/45 (20%)	12/50 (24%)	6/60 (10%)
<b>FIRST INCIDENCE</b>	496	486	550	595
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
<b>POLY 1.5</b>	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
<b>POLY 6</b>	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
<b>RAO-SCOTT</b>	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
<b>LITTER C-A/FISHERS</b>	P<0.001N**	P=0.006N**	P=0.141N	P<0.001N**

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Epididymis</b>				
<b>Hypospermia</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	28/90 (31%)	20/90 (22%)	23/90 (26%)	8/90 (9%)
<b>LITTERS (b)</b>	21/35 (60%)	14/35 (40%)	18/35 (51%)	7/35 (20%)
<b>POLY-3 RATE (c)</b>	28/72.06	20/78.36	23/80.21	8/78.89
<b>POLY-3 PERCENT (g)</b>	38.9%	25.5%	28.7%	10.1%
<b>TERMINAL (d)</b>	6/25 (24%)	7/45 (16%)	11/50 (22%)	4/60 (7%)
<b>FIRST INCIDENCE</b>	498	582	550	554
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P<0.001N**	P=0.053N	P=0.119N	P<0.001N**
<b>POLY 1.5</b>	P<0.001N**	P=0.078N	P=0.165N	P<0.001N**
<b>POLY 6</b>	P<0.001N**	P=0.028N*	P=0.072N	P<0.001N**
<b>RAO-SCOTT</b>	P<0.001N**	P=0.073N	P=0.143N	P<0.001N**
<b>LITTER C-A/FISHERS</b>	P<0.001N**	P=0.076N	P=0.315N	P<0.001N**



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Epididymis: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	2/90 (2%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	2/65.95	2/74.87	1/78.01	2/78.61
POLY-3 PERCENT (g)	3%	2.7%	1.3%	2.5%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	590	730 (T)	700	554
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.535N	P=0.647N	P=0.442N	P=0.628N
POLY 1.5	P=0.552N	P=0.668N	P=0.466N	P=0.659N
POLY 6	P=0.508N	P=0.610N	P=0.405N	P=0.576N
RAO-SCOTT	P=0.515N	P=0.617N	P=0.421N	P=0.602N
LITTER C-A/FISHERS	P=0.578N	P=0.693	P=0.500N	P=0.693

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Esophagus</b>				
<b>Dilation</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/89 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.84	0/74.20	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	645	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.213N	P=0.203N	P=0.204N
POLY 1.5	P=0.121N	P=0.225N	P=0.217N	P=0.219N
POLY 6	P=0.144N	P=0.193N	P=0.183N	P=0.181N
RAO-SCOTT	P=0.233N	P=0.360N	P=0.355N	P=0.355N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Anterior Chamber Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/85 (5%)	5/86 (6%)	3/87 (3%)	2/83 (2%)
LITTERS (b)	4/35 (11%)	5/35 (14%)	3/34 (9%)	2/35 (6%)
POLY-3 RATE (c)	4/64.47	5/73.55	3/76.39	2/74.80
POLY-3 PERCENT (g)	6.2%	6.8%	3.9%	2.7%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	555	576	661	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.155N	P=0.581	P=0.410N	P=0.274N
POLY 1.5	P=0.179N	P=0.545	P=0.443N	P=0.308N
POLY 6	P=0.124N	P=0.632N	P=0.359N	P=0.224N
RAO-SCOTT	P=0.166N	P=0.562	P=0.397N	P=0.269N
LITTER C-A/FISHERS	P=0.198N	P=0.500	P=0.517N	P=0.337N

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Eye: Cornea Fibrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/85 (1%)	3/86 (3%)	4/87 (5%)	6/83 (7%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	4/34 (12%)	5/35 (14%)
POLY-3 RATE (c)	1/63.26	3/72.30	4/76.00	6/73.96
POLY-3 PERCENT (g)	1.6%	4.2%	5.3%	8.1%
TERMINAL (d)	1/25 (4%)	3/45 (7%)	3/50 (6%)	6/60 (10%)
FIRST INCIDENCE	730 (T)	730 (T)	722	730 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.059	P=0.355	P=0.242	P=0.090
POLY 1.5	P=0.047*	P=0.334	P=0.218	P=0.072
POLY 6	P=0.084	P=0.393	P=0.283	P=0.125
RAO-SCOTT	P=0.081	P=0.368	P=0.265	P=0.116
LITTER C-A/FISHERS	P=0.077	P=0.307	P=0.169	P=0.099

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea</b>				
<b>Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	28/85 (33%)	33/86 (38%)	25/87 (29%)	25/83 (30%)
LITTERS (b)	20/35 (57%)	19/35 (54%)	20/34 (59%)	16/35 (46%)
POLY-3 RATE (c)	28/70.59	33/76.22	25/79.34	25/75.69
POLY-3 PERCENT (g)	39.7%	43.3%	31.5%	33%
TERMINAL (d)	3/25 (12%)	14/45 (31%)	10/50 (20%)	20/60 (33%)
FIRST INCIDENCE	555	576	526	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.389	P=0.188N	P=0.251N
POLY 1.5	P=0.173N	P=0.333	P=0.242N	P=0.319N
POLY 6	P=0.080N	P=0.486	P=0.128N	P=0.165N
RAO-SCOTT	P=0.167N	P=0.410	P=0.228N	P=0.287N
LITTER C-A/FISHERS	P=0.207N	P=0.500N	P=0.541	P=0.237N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea</b>				
<b>Neovascularization</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/85 (12%)	19/86 (22%)	20/87 (23%)	19/83 (23%)
LITTERS (b)	9/35 (26%)	16/35 (46%)	13/34 (38%)	12/35 (34%)
POLY-3 RATE (c)	10/64.83	19/73.08	20/77.55	19/74.57
POLY-3 PERCENT (g)	15.4%	26%	25.8%	25.5%
TERMINAL (d)	4/25 (16%)	12/45 (27%)	12/50 (24%)	17/60 (28%)
FIRST INCIDENCE	577	670	614	621
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.176	P=0.092	P=0.094	P=0.104
POLY 1.5	P=0.118	P=0.071	P=0.066	P=0.070
POLY 6	P=0.296	P=0.140	P=0.158	P=0.185
RAO-SCOTT	P=0.204	P=0.138	P=0.140	P=0.151
LITTER C-A/FISHERS	P=0.425	P=0.067	P=0.196	P=0.301

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Eye: Cornea Ulcer				
<b>LESION RATES</b>				
OVERALL (a)	6/85 (7%)	2/86 (2%)	1/87 (1%)	2/83 (2%)
LITTERS (b)	5/35 (14%)	2/35 (6%)	1/34 (3%)	2/35 (6%)
POLY-3 RATE (c)	6/64.90	2/72.89	1/76.22	2/74.57
POLY-3 PERCENT (g)	9.3%	2.7%	1.3%	2.7%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	555	576	663	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.090N	P=0.103N	P=0.037N*	P=0.097N
POLY 1.5	P=0.094N	P=0.117N	P=0.045N*	P=0.118N
POLY 6	P=0.086N	P=0.082N	P=0.028N*	P=0.071N
RAO-SCOTT	P=0.125N	P=0.160N	P=0.080N	P=0.156N
LITTER C-A/FISHERS	P=0.161N	P=0.214N	P=0.106N	P=0.214N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea, Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/85 (0%)	2/86 (2%)	2/87 (2%)	2/83 (2%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	2/34 (6%)	2/35 (6%)
POLY-3 RATE (c)	0/63.26	2/72.42	2/76.02	2/73.96
POLY-3 PERCENT (g)	0%	2.8%	2.6%	2.7%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	2/60 (3%)
FIRST INCIDENCE	---	715	718	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.308	P=0.269	P=0.281	P=0.275
POLY 1.5	P=0.273	P=0.255	P=0.264	P=0.254
POLY 6	P=0.367	P=0.294	P=0.309	P=0.309
RAO-SCOTT	P=0.304	P=0.276	P=0.289	P=0.285
LITTER C-A/FISHERS	P=0.240	P=0.246	P=0.239	P=0.246



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea, Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/85 (15%)	17/86 (20%)	15/87 (17%)	20/83 (24%)
LITTERS (b)	11/35 (31%)	14/35 (40%)	13/34 (38%)	15/35 (43%)
POLY-3 RATE (c)	13/66.76	17/74.22	15/77.92	20/74.91
POLY-3 PERCENT (g)	19.5%	22.9%	19.3%	26.7%
TERMINAL (d)	3/25 (12%)	8/45 (18%)	7/50 (14%)	17/60 (28%)
FIRST INCIDENCE	577	576	526	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197	P=0.385	P=0.570N	P=0.206
POLY 1.5	P=0.153	P=0.335	P=0.533	P=0.153
POLY 6	P=0.277	P=0.474	P=0.476N	P=0.310
RAO-SCOTT	P=0.213	P=0.386	P=0.561N	P=0.218
LITTER C-A/FISHERS	P=0.228	P=0.309	P=0.367	P=0.229

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea, Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/85 (0%)	2/86 (2%)	2/87 (2%)	0/83 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	2/34 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/63.26	2/72.89	2/76.56	0/73.96
POLY-3 PERCENT (g)	0%	2.7%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	576	636	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.425N	P=0.271	P=0.283	(e)
POLY 1.5	P=0.463N	P=0.256	P=0.265	(e)
POLY 6	P=0.366N	P=0.297	P=0.312	(e)
RAO-SCOTT	P=0.499N	P=0.330	P=0.344	(e)
LITTER C-A/FISHERS	P=0.501N	P=0.246	P=0.239	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Eye: Lens				
Cataract				
<b>LESION RATES</b>				
OVERALL (a)	0/85 (0%)	2/86 (2%)	0/87 (0%)	2/83 (2%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/34 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/63.26	2/72.77	0/75.97	2/75.31
POLY-3 PERCENT (g)	0%	2.8%	0%	2.7%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	591	---	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.298	P=0.270	(e)	P=0.279
POLY 1.5	P=0.271	P=0.256	(e)	P=0.258
POLY 6	P=0.341	P=0.296	(e)	P=0.315
RAO-SCOTT	P=0.352	P=0.340	(e)	P=0.354
LITTER C-A/FISHERS	P=0.246	P=0.246	(e)	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Eye: Retina				
Atrophy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	6/85 (7%)	10/86 (12%)	12/87 (14%)	14/83 (17%)
LITTERS (b)	5/35 (14%)	8/35 (23%)	10/34 (29%)	14/35 (40%)
POLY-3 RATE (c)	6/63.26	10/72.49	12/76.61	14/74.00
POLY-3 PERCENT (g)	9.5%	13.8%	15.7%	18.9%
TERMINAL (d)	6/25 (24%)	8/45 (18%)	9/50 (18%)	13/60 (22%)
FIRST INCIDENCE	730 (T)	703	594	719
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.081	P=0.305	P=0.203	P=0.093
POLY 1.5	P=0.056	P=0.263	P=0.160	P=0.064
POLY 6	P=0.136	P=0.384	P=0.284	P=0.161
RAO-SCOTT	P=0.088	P=0.303	P=0.207	P=0.101
LITTER C-A/FISHERS	P=0.009**	P=0.270	P=0.109	P=0.015*

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/90 (1%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/65.47	1/74.87	1/78.35	0/77.66
POLY-3 PERCENT (g)	1.5%	1.3%	1.3%	0%
TERMINAL (d)	1/25 (4%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	594	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	2/65.47	0/74.87	0/77.89	3/77.93
POLY-3 PERCENT (g)	3.1%	0%	0%	3.9%
TERMINAL (d)	2/25 (8%)	0/45 (0%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	730 (T)	---	---	657
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.250	P=0.210N	P=0.202N	P=0.578
POLY 1.5	P=0.249	P=0.223N	P=0.217N	P=0.542
POLY 6	P=0.248	P=0.190N	P=0.181N	P=0.636
RAO-SCOTT	P=0.344	P=0.276N	P=0.272N	P=0.587
LITTER C-A/FISHERS	P=0.244	P=0.246N	P=0.246N	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	3/77.66
POLY-3 PERCENT (g)	0%	0%	0%	3.9%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	3/60 (5%)
FIRST INCIDENCE	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013*	(e)	(e)	P=0.155
POLY 1.5	P=0.012*	(e)	(e)	P=0.138
POLY 6	P=0.014*	(e)	(e)	P=0.185
RAO-SCOTT	P=0.057	(e)	(e)	P=0.249
LITTER C-A/FISHERS	P=0.012*	(e)	(e)	P=0.120

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	2/74.91	0/77.89	1/77.66
POLY-3 PERCENT (g)	0%	2.7%	0%	1.3%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	720	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.606	P=0.269	(e)	P=0.534
POLY 1.5	P=0.576	P=0.255	(e)	P=0.518
POLY 6	P=0.654	P=0.295	(e)	P=0.559
RAO-SCOTT	P=0.598	P=0.335	(e)	P=0.580
LITTER C-A/FISHERS	P=0.539	P=0.246	(e)	P=0.500



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Harderian Gland  
Infiltration Cellular Lymphocyte

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.74	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	657	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.211N	P=0.203N	P=0.204N
POLY 1.5	P=0.121N	P=0.223N	P=0.217N	P=0.219N
POLY 6	P=0.144N	P=0.191N	P=0.183N	P=0.180N
RAO-SCOTT	P=0.231N	P=0.356N	P=0.352N	P=0.352N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	2/66.07	0/74.87	3/78.28	1/78.62
POLY-3 PERCENT (g)	3%	0%	3.8%	1.3%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	541	---	625	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.517N	P=0.212N	P=0.576	P=0.440N
POLY 1.5	P=0.532N	P=0.224N	P=0.544	P=0.467N
POLY 6	P=0.494N	P=0.193N	P=0.624	P=0.397N
RAO-SCOTT	P=0.515N	P=0.248N	P=0.574	P=0.457N
LITTER C-A/FISHERS	P=0.556N	P=0.246N	P=0.500	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	2/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.660	(e)	P=0.279	(e)
POLY 1.5	P=0.630	(e)	P=0.261	(e)
POLY 6	P=0.700N	(e)	P=0.308	(e)
RAO-SCOTT	P=0.661	(e)	P=0.392	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	79/90 (88%)	82/90 (91%)	78/90 (87%)	79/90 (88%)
LITTERS (b)	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	79/86.22	82/85.67	78/85.70	79/85.81
POLY-3 PERCENT (g)	91.6%	95.7%	91%	92.1%
TERMINAL (d)	20/25 (80%)	44/45 (98%)	46/50 (92%)	56/60 (93%)
FIRST INCIDENCE	248	291	505	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.445N	P=0.186	P=0.557N	P=0.573
POLY 1.5	P=0.446N	P=0.246	P=0.503N	P=0.578
POLY 6	P=0.430N	P=0.131	P=0.606	P=0.583
RAO-SCOTT	P=0.448N	P=0.211	P=0.547N	P=0.564
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: All Sites</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	79/90 (88%)	88/90 (98%)	85/90 (94%)	88/90 (98%)
LITTERS (b)	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	79/86.22	88/88.42	85/87.80	88/89.16
POLY-3 PERCENT (g)	91.6%	99.5%	96.8%	98.7%
TERMINAL (d)	20/25 (80%)	45/45 (100%)	49/50 (98%)	60/60 (100%)
FIRST INCIDENCE	248	291	501	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.021*	P=0.007**	P=0.101	P=0.020*
POLY 1.5	P=0.020*	P=0.006**	P=0.105	P=0.016*
POLY 6	P=0.020*	P=0.012*	P=0.095	P=0.024*
RAO-SCOTT	P=0.057	P=0.027*	P=0.162	P=0.053
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	5/90 (6%)	4/90 (4%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	5/35 (14%)	4/35 (11%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	5/75.55	4/78.50	2/78.12
POLY-3 PERCENT (g)	0%	6.6%	5.1%	2.6%
TERMINAL (d)	0/25 (0%)	3/45 (7%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	---	614	594	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.572	P=0.047*	P=0.090	P=0.279
POLY 1.5	P=0.511	P=0.040*	P=0.078	P=0.260
POLY 6	P=0.513N	P=0.062	P=0.113	P=0.314
RAO-SCOTT	P=0.516	P=0.066	P=0.112	P=0.292
LITTER C-A/FISHERS	P=0.437	P=0.027*	P=0.057	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Artery</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	20/90 (22%)	7/90 (8%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	16/35 (46%)	6/35 (17%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	20/72.27	7/76.23	3/78.30	2/78.34
POLY-3 PERCENT (g)	27.7%	9.2%	3.8%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	552	582	663	595
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.003N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.004N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.009N**	P<0.001N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.010N**	P<0.001N**	P<0.001N**



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Heart: Atrium  
Dilation

---

LESION RATES				
OVERALL (a)	3/90 (3%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	3/65.61	0/74.87	1/77.98	0/77.66
POLY-3 PERCENT (g)	4.6%	0%	1.3%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	704	---	708	---

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STATISTICAL TESTS				
POLY 3	P=0.088N	P=0.099N	P=0.248N	P=0.094N
POLY 1.5	P=0.086N	P=0.109N	P=0.272N	P=0.106N
POLY 6	P=0.093N	P=0.085N	P=0.215N	P=0.077N
RAO-SCOTT	P=0.131N	P=0.166N	P=0.315N	P=0.161N
LITTER C-A/FISHERS	P=0.085N	P=0.120N	P=0.307N	P=0.120N

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Endocardium (All) Hyperplasia Schwann Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	1/74.87	0/77.89	2/77.66
POLY-3 PERCENT (g)	0%	1.3%	0%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.166	P=0.527	(e)	P=0.278
POLY 1.5	P=0.154	P=0.514	(e)	P=0.259
POLY 6	P=0.187	P=0.547	(e)	P=0.312
RAO-SCOTT	P=0.228	P=0.560	(e)	P=0.339
LITTER C-A/FISHERS	P=0.139	P=0.500	(e)	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Endocardium or Myocardium Hyperplasia Schwann Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	1/74.87	0/77.89	2/77.66
POLY-3 PERCENT (g)	0%	1.3%	0%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.166	P=0.527	(e)	P=0.278
POLY 1.5	P=0.154	P=0.514	(e)	P=0.259
POLY 6	P=0.187	P=0.547	(e)	P=0.312
RAO-SCOTT	P=0.228	P=0.560	(e)	P=0.339
LITTER C-A/FISHERS	P=0.139	P=0.500	(e)	P=0.246

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Endocardium Hyperplasia Schwann Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	1/74.87	0/77.89	2/77.66
POLY-3 PERCENT (g)	0%	1.3%	0%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.166	P=0.527	(e)	P=0.278
POLY 1.5	P=0.154	P=0.514	(e)	P=0.259
POLY 6	P=0.187	P=0.547	(e)	P=0.312
RAO-SCOTT	P=0.228	P=0.560	(e)	P=0.339
LITTER C-A/FISHERS	P=0.139	P=0.500	(e)	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Myocardium</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/90 (10%)	2/90 (2%)	4/90 (4%)	1/90 (1%)
LITTERS (b)	9/35 (26%)	2/35 (6%)	4/35 (11%)	1/35 (3%)
POLY-3 RATE (c)	9/68.18	2/75.42	4/78.54	1/77.88
POLY-3 PERCENT (g)	13.2%	2.7%	5.1%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	577	636	649	670
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009N**	P=0.019N*	P=0.075N	P=0.005N**
POLY 1.5	P=0.010N**	P=0.023N*	P=0.093N	P=0.007N**
POLY 6	P=0.008N**	P=0.013N*	P=0.054N	P=0.003N**
RAO-SCOTT	P=0.014N*	P=0.032N*	P=0.100N	P=0.012N*
LITTER C-A/FISHERS	P=0.010N**	P=0.023N*	P=0.109N	P=0.007N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Ventricle Right Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	54/90 (60%)	62/90 (69%)	72/90 (80%)	74/90 (82%)
LITTERS (b)	29/35 (83%)	31/35 (89%)	34/35 (97%)	33/35 (94%)
POLY-3 RATE (c)	54/80.08	62/83.88	72/86.51	74/86.79
POLY-3 PERCENT (g)	67.4%	73.9%	83.2%	85.3%
TERMINAL (d)	14/25 (56%)	31/45 (69%)	41/50 (82%)	53/60 (88%)
FIRST INCIDENCE	294	486	501	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	P=0.219	P=0.009**	P=0.003**
POLY 1.5	P<0.001**	P=0.170	P=0.005**	P=0.002**
POLY 6	P=0.004**	P=0.333	P=0.021*	P=0.009**
RAO-SCOTT	P=0.005**	P=0.250	P=0.022*	P=0.010**
LITTER C-A/FISHERS	P=0.064	P=0.367	P=0.053	P=0.130

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Edema</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/75 (15%)	1/75 (1%)	0/79 (0%)	4/80 (5%)
LITTERS (b)	10/34 (29%)	1/34 (3%)	0/34 (0%)	3/35 (9%)
POLY-3 RATE (c)	11/59.62	1/65.91	0/70.21	4/72.64
POLY-3 PERCENT (g)	18.5%	1.5%	0%	5.5%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	496	683	---	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.031N*	P<0.001N**	P<0.001N**	P=0.019N*
POLY 1.5	P=0.030N*	P=0.002N**	P<0.001N**	P=0.026N*
POLY 6	P=0.033N*	P<0.001N**	P<0.001N**	P=0.011N*
RAO-SCOTT	P=0.055N	P=0.010N**	P=0.003N**	P=0.052N
LITTER C-A/FISHERS	P=0.021N*	P=0.003N**	P<0.001N**	P=0.027N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/75 (13%)	0/75 (0%)	0/79 (0%)	3/80 (4%)
LITTERS (b)	9/34 (26%)	0/34 (0%)	0/34 (0%)	2/35 (6%)
POLY-3 RATE (c)	10/59.11	0/65.73	0/70.21	3/72.64
POLY-3 PERCENT (g)	16.9%	0%	0%	4.1%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	510	---	---	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.025N*	P<0.001N**	P<0.001N**	P=0.015N*
POLY 1.5	P=0.023N*	P<0.001N**	P<0.001N**	P=0.021N*
POLY 6	P=0.028N*	P<0.001N**	P<0.001N**	P=0.009N**
RAO-SCOTT	P=0.055N	P=0.009N**	P=0.007N**	P=0.055N
LITTER C-A/FISHERS	P=0.014N*	P<0.001N**	P<0.001N**	P=0.020N*



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/75 (13%)	1/75 (1%)	0/79 (0%)	2/80 (3%)
LITTERS (b)	10/34 (29%)	1/34 (3%)	0/34 (0%)	1/35 (3%)
POLY-3 RATE (c)	10/59.73	1/65.91	0/70.21	2/72.26
POLY-3 PERCENT (g)	16.7%	1.5%	0%	2.8%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	496	683	---	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005N**	P=0.003N**	P<0.001N**	P=0.006N**
POLY 1.5	P=0.005N**	P=0.004N**	P<0.001N**	P=0.008N**
POLY 6	P=0.005N**	P=0.002N**	P<0.001N**	P=0.003N**
RAO-SCOTT	P=0.012N*	P=0.011N*	P=0.003N**	P=0.019N*
LITTER C-A/FISHERS	P<0.001N**	P=0.003N**	P<0.001N**	P=0.003N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/75 (8%)	0/75 (0%)	0/79 (0%)	0/80 (0%)
LITTERS (b)	6/34 (18%)	0/34 (0%)	0/34 (0%)	0/35 (0%)
POLY-3 RATE (c)	6/58.92	0/65.73	0/70.21	0/71.60
POLY-3 PERCENT (g)	10.2%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	498	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003N**	P=0.012N*	P=0.009N**	P=0.009N**
POLY 1.5	P=0.003N**	P=0.014N*	P=0.011N*	P=0.011N*
POLY 6	P=0.004N**	P=0.009N**	P=0.007N**	P=0.006N**
RAO-SCOTT	P=0.018N*	P=0.052N	P=0.045N*	P=0.044N*
LITTER C-A/FISHERS	P=0.004N**	P=0.012N*	P=0.012N*	P=0.011N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	20/75 (27%)	9/75 (12%)	5/79 (6%)	6/80 (8%)
LITTERS (b)	14/34 (41%)	8/34 (24%)	5/34 (15%)	6/35 (17%)
POLY-3 RATE (c)	20/64.16	9/66.94	5/71.18	6/73.24
POLY-3 PERCENT (g)	31.2%	13.4%	7%	8.2%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	1/50 (2%)	2/60 (3%)
FIRST INCIDENCE	496	636	594	554
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.011N*	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.014N*	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.008N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P=0.003N**	P=0.033N*	P=0.002N**	P=0.004N**
LITTER C-A/FISHERS	P=0.020N*	P=0.097N	P=0.015N*	P=0.026N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum: Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/75 (19%)	0/75 (0%)	0/79 (0%)	2/80 (3%)
LITTERS (b)	11/34 (32%)	0/34 (0%)	0/34 (0%)	1/35 (3%)
POLY-3 RATE (c)	14/61.35	0/65.73	0/70.21	2/72.26
POLY-3 PERCENT (g)	22.8%	0%	0%	2.8%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	496	---	---	619
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P=0.004N**	P=0.002N**	P<0.001N**	P=0.007N**
LITTER C-A/FISHERS	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Colon: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/81 (15%)	5/83 (6%)	5/81 (6%)	5/82 (6%)
LITTERS (b)	11/35 (31%)	5/35 (14%)	5/35 (14%)	4/35 (11%)
POLY-3 RATE (c)	12/63.95	5/70.91	5/72.49	5/74.73
POLY-3 PERCENT (g)	18.8%	7.1%	6.9%	6.7%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	580	670	594	554
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.041N*	P=0.035N*	P=0.032N*	P=0.028N*
POLY 1.5	P=0.049N*	P=0.043N*	P=0.042N*	P=0.039N*
POLY 6	P=0.032N*	P=0.025N*	P=0.021N*	P=0.016N*
RAO-SCOTT	P=0.047N*	P=0.048N*	P=0.044N*	P=0.038N*
LITTER C-A/FISHERS	P=0.040N*	P=0.077N	P=0.077N	P=0.039N*

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Colon: Artery Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/81 (2%)	0/83 (0%)	0/81 (0%)	0/82 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/61.05	0/70.51	0/71.51	0/73.05
POLY-3 PERCENT (g)	3.3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	662	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.127N	P=0.207N	P=0.205N	P=0.201N
POLY 1.5	P=0.120N	P=0.219N	P=0.219N	P=0.216N
POLY 6	P=0.142N	P=0.190N	P=0.186N	P=0.178N
RAO-SCOTT	P=0.238N	P=0.362N	P=0.364N	P=0.361N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Colon: Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/81 (6%)	0/83 (0%)	0/81 (0%)	2/82 (2%)
LITTERS (b)	5/35 (14%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	5/61.95	0/70.51	0/71.51	2/73.71
POLY-3 PERCENT (g)	8.1%	0%	0%	2.7%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	510	---	---	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.208N	P=0.023N*	P=0.022N*	P=0.156N
POLY 1.5	P=0.201N	P=0.027N*	P=0.026N*	P=0.182N
POLY 6	P=0.223N	P=0.018N*	P=0.017N*	P=0.120N
RAO-SCOTT	P=0.256N	P=0.082N	P=0.082N	P=0.254N
LITTER C-A/FISHERS	P=0.060N	P=0.027N*	P=0.027N*	P=0.099N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Rectum Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/83 (2%)	0/81 (0%)	0/85 (0%)	0/87 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/61.30	0/68.91	0/74.26	0/76.03
POLY-3 PERCENT (g)	3.3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	685	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.125N	P=0.213N	P=0.198N	P=0.194N
POLY 1.5	P=0.117N	P=0.227N	P=0.212N	P=0.209N
POLY 6	P=0.141N	P=0.193N	P=0.179N	P=0.172N
RAO-SCOTT	P=0.236N	P=0.372N	P=0.360N	P=0.355N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Rectum: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/83 (5%)	7/81 (9%)	4/85 (5%)	2/87 (2%)
LITTERS (b)	4/35 (11%)	7/35 (20%)	4/35 (11%)	2/35 (6%)
POLY-3 RATE (c)	4/61.99	7/69.33	4/75.04	2/76.49
POLY-3 PERCENT (g)	6.5%	10.1%	5.3%	2.6%
TERMINAL (d)	2/25 (8%)	4/45 (9%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	565	670	628	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.092N	P=0.331	P=0.534N	P=0.249N
POLY 1.5	P=0.113N	P=0.294	P=0.574N	P=0.279N
POLY 6	P=0.067N	P=0.398	P=0.474N	P=0.205N
RAO-SCOTT	P=0.112N	P=0.328	P=0.519N	P=0.246N
LITTER C-A/FISHERS	P=0.157N	P=0.256	P=0.645	P=0.337N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Intestine Large, Rectum: Epithelium  
Regeneration

---

**LESION RATES**

OVERALL (a)	3/83 (4%)	0/81 (0%)	0/85 (0%)	0/87 (0%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/62.44	0/68.91	0/74.26	0/76.03
POLY-3 PERCENT (g)	4.8%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	498	---	---	---

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**STATISTICAL TESTS**

POLY 3	P=0.050N*	P=0.104N	P=0.093N	P=0.089N
POLY 1.5	P=0.047N*	P=0.114N	P=0.102N	P=0.100N
POLY 6	P=0.058N	P=0.090N	P=0.080N	P=0.075N
RAO-SCOTT	P=0.119N	P=0.223N	P=0.210N	P=0.205N
LITTER C-A/FISHERS	P=0.047N*	P=0.120N	P=0.120N	P=0.120N

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Small, Ileum: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/78 (3%)	1/76 (1%)	0/78 (0%)	0/76 (0%)
LITTERS (b)	2/34 (6%)	1/35 (3%)	0/34 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/59.97	1/66.56	0/69.29	0/68.39
POLY-3 PERCENT (g)	3.3%	1.5%	0%	0%
TERMINAL (d)	1/25 (4%)	1/45 (2%)	0/50 (0%)	0/59 (0%)
FIRST INCIDENCE	604	730 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.101N	P=0.464N	P=0.208N	P=0.210N
POLY 1.5	P=0.101N	P=0.486N	P=0.221N	P=0.226N
POLY 6	P=0.102N	P=0.429N	P=0.188N	P=0.186N
RAO-SCOTT	P=0.167N	P=0.520N	P=0.307N	P=0.311N
LITTER C-A/FISHERS	P=0.098N	P=0.489N	P=0.246N	P=0.239N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/90 (13%)	5/89 (6%)	5/86 (6%)	7/85 (8%)
LITTERS (b)	11/35 (31%)	5/35 (14%)	5/34 (15%)	7/35 (20%)
POLY-3 RATE (c)	12/68.33	5/74.80	5/75.84	7/75.13
POLY-3 PERCENT (g)	17.6%	6.7%	6.6%	9.3%
TERMINAL (d)	4/25 (16%)	4/45 (9%)	4/50 (8%)	6/60 (10%)
FIRST INCIDENCE	510	728	677	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.172N	P=0.038N*	P=0.036N*	P=0.112N
POLY 1.5	P=0.193N	P=0.049N*	P=0.050N*	P=0.148N
POLY 6	P=0.146N	P=0.026N*	P=0.022N*	P=0.069N
RAO-SCOTT	P=0.163N	P=0.050N*	P=0.047N*	P=0.128N
LITTER C-A/FISHERS	P=0.240N	P=0.077N	P=0.086N	P=0.206N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney</b>				
<b>Nephropathy Chronic Progressive</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	88/90 (98%)	89/90 (99%)	90/90 (100%)	89/90 (99%)
<b>LITTERS (b)</b>	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
<b>POLY-3 RATE (c)</b>	88/88.40	89/89.53	90/90.00	89/89.54
<b>POLY-3 PERCENT (g)</b>	99.6%	99.4%	100%	99.4%
<b>TERMINAL (d)</b>	25/25 (100%)	45/45 (100%)	50/50 (100%)	60/60 (100%)
<b>FIRST INCIDENCE</b>	248	291	454	247
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.759N	P=0.910N	P=0.942	P=0.902N
<b>POLY 1.5</b>	P=0.664	P=0.837	P=0.639	P=0.837
<b>POLY 6</b>	P=0.894N	P=0.997N	P=1.000	P=0.995N
<b>RAO-SCOTT</b>	P=0.688N	P=0.815N	P=0.823	P=0.810N
<b>LITTER C-A/FISHERS</b>	(e)	(e)	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Artery</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/66.47	1/75.29	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	1.3%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	565	606	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.099N	P=0.457N	P=0.205N	P=0.206N
POLY 1.5	P=0.099N	P=0.477N	P=0.219N	P=0.220N
POLY 6	P=0.101N	P=0.424N	P=0.186N	P=0.183N
RAO-SCOTT	P=0.164N	P=0.508N	P=0.302N	P=0.302N
LITTER C-A/FISHERS	P=0.100N	P=0.500N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Pelvis Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/65.51	2/75.54	1/77.94	0/77.66
POLY-3 PERCENT (g)	1.5%	2.7%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	722	562	717	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.208N	P=0.549	P=0.720N	P=0.466N
POLY 1.5	P=0.226N	P=0.526	P=0.738N	P=0.482N
POLY 6	P=0.184N	P=0.586	P=0.692N	P=0.441N
RAO-SCOTT	P=0.251N	P=0.542	P=0.700N	P=0.469N
LITTER C-A/FISHERS	P=0.246N	P=0.500	P=0.754	P=0.500N

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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**Kidney: Renal Tubule  
Accumulation, Hyaline Droplet**

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	0/74.87	1/77.94	1/77.99
POLY-3 PERCENT (g)	0%	0%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	717	638

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/90 (20%)	17/90 (19%)	14/90 (16%)	6/90 (7%)
LITTERS (b)	15/35 (43%)	14/35 (40%)	11/35 (31%)	6/35 (17%)
POLY-3 RATE (c)	18/68.33	17/76.61	14/79.08	6/77.93
POLY-3 PERCENT (g)	26.3%	22.2%	17.7%	7.7%
TERMINAL (d)	6/25 (24%)	8/45 (18%)	7/50 (14%)	5/60 (8%)
FIRST INCIDENCE	527	582	628	657
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.347N	P=0.141N	P=0.002N**
POLY 1.5	P=0.002N**	P=0.417N	P=0.192N	P=0.004N**
POLY 6	P<0.001N**	P=0.246N	P=0.084N	P<0.001N**
RAO-SCOTT	P=0.003N**	P=0.355N	P=0.159N	P=0.004N**
LITTER C-A/FISHERS	P=0.009N**	P=0.500N	P=0.229N	P=0.018N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	2/74.93	1/77.89	2/77.70
POLY-3 PERCENT (g)	0%	2.7%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	715	730 (T)	719
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.309	P=0.269	P=0.534	P=0.278
POLY 1.5	P=0.280	P=0.255	P=0.520	P=0.259
POLY 6	P=0.358	P=0.295	P=0.557	P=0.312
RAO-SCOTT	P=0.313	P=0.282	P=0.523	P=0.293
LITTER C-A/FISHERS	P=0.244	P=0.246	P=0.500	P=0.246

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Hyperplasia Atypical</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/66.69	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	527	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.127N	P=0.213N	P=0.206N	P=0.206N
POLY 1.5	P=0.120N	P=0.225N	P=0.219N	P=0.221N
POLY 6	P=0.140N	P=0.196N	P=0.186N	P=0.184N
RAO-SCOTT	P=0.378N	P=0.531N	P=0.530N	P=0.530N
LITTER C-A/FISHERS	P=0.305N	P=0.500N	P=0.500N	P=0.500N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Hyperplasia Oncocytic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.97	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	580	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.211N	P=0.204N	P=0.204N
POLY 1.5	P=0.121N	P=0.224N	P=0.218N	P=0.219N
POLY 6	P=0.143N	P=0.192N	P=0.183N	P=0.181N
RAO-SCOTT	P=0.232N	P=0.358N	P=0.354N	P=0.354N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Urothelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	1/65.53	2/75.00	1/78.56	2/77.66
POLY-3 PERCENT (g)	1.5%	2.7%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	715	696	505	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.507	P=0.547	P=0.718N	P=0.558
POLY 1.5	P=0.479	P=0.525	P=0.737N	P=0.531
POLY 6	P=0.549	P=0.582	P=0.689N	P=0.602
RAO-SCOTT	P=0.496	P=0.519	P=0.685N	P=0.533
LITTER C-A/FISHERS	P=0.444	P=0.500	P=0.754	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lacrimal Gland				
Metaplasia Harderian Gland				
<b>LESION RATES</b>				
OVERALL (a)	2/2 (100%)	1/1 (100%)	2/2 (100%)	2/2 (100%)
LITTERS (b)	2/2 (100%)	1/1 (100%)	2/2 (100%)	2/2 (100%)
POLY-3 RATE (c)	2/2.00	1/1.00	2/2.00	2/2.00
POLY-3 PERCENT (g)	100%	100%	100%	100%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	2/2 (100%)	2/2 (100%)
FIRST INCIDENCE	671	730 (T)	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
RAO-SCOTT	(e)	(e)	(e)	(e)
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Liver Angiectasis				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/65.64	0/74.87	1/77.89	0/77.66
POLY-3 PERCENT (g)	1.5%	0%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	687	---	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/65.68	1/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	1.5%	1.3%	0%	0%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	677	730 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/90 (9%)	7/90 (8%)	22/90 (24%)	16/90 (18%)
LITTERS (b)	5/35 (14%)	7/35 (20%)	17/35 (49%)	13/35 (37%)
POLY-3 RATE (c)	8/67.12	7/74.87	22/78.65	16/77.66
POLY-3 PERCENT (g)	11.9%	9.4%	28%	20.6%
TERMINAL (d)	5/25 (20%)	7/45 (16%)	21/50 (42%)	16/60 (27%)
FIRST INCIDENCE	440	730 (T)	454	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035*	P=0.411N	P=0.013*	P=0.118
POLY 1.5	P=0.024*	P=0.453N	P=0.008**	P=0.087
POLY 6	P=0.065	P=0.342N	P=0.026*	P=0.191
RAO-SCOTT	P=0.048*	P=0.411N	P=0.022*	P=0.137
LITTER C-A/FISHERS	P=0.011*	P=0.376	P=0.002**	P=0.027*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver Congestion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/90 (13%)	5/90 (6%)	2/90 (2%)	8/90 (9%)
LITTERS (b)	11/35 (31%)	5/35 (14%)	2/35 (6%)	8/35 (23%)
POLY-3 RATE (c)	12/67.68	5/75.03	2/77.89	8/77.66
POLY-3 PERCENT (g)	17.7%	6.7%	2.6%	10.3%
TERMINAL (d)	4/25 (16%)	4/45 (9%)	2/50 (4%)	8/60 (13%)
FIRST INCIDENCE	552	687	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.205N	P=0.036N*	P=0.002N**	P=0.145N
POLY 1.5	P=0.217N	P=0.046N*	P=0.003N**	P=0.184N
POLY 6	P=0.191N	P=0.023N*	P<0.001N**	P=0.093N
RAO-SCOTT	P=0.183N	P=0.045N*	P=0.004N**	P=0.156N
LITTER C-A/FISHERS	P=0.304N	P=0.077N	P=0.006N**	P=0.296N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Extramedullary Hematopoiesis</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	4/90 (4%)	1/90 (1%)	4/90 (4%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	1/35 (3%)	4/35 (11%)
POLY-3 RATE (c)	5/68.09	4/76.19	1/78.57	4/78.60
POLY-3 PERCENT (g)	7.3%	5.3%	1.3%	5.1%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	440	486	501	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.351N	P=0.431N	P=0.076N	P=0.413N
POLY 1.5	P=0.367N	P=0.463N	P=0.087N	P=0.453N
POLY 6	P=0.328N	P=0.379N	P=0.061N	P=0.347N
RAO-SCOTT	P=0.352N	P=0.442N	P=0.105N	P=0.427N
LITTER C-A/FISHERS	P=0.441N	P=0.355N	P=0.099N	P=0.500N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	1/66.01	0/74.87	2/77.89	2/77.66
POLY-3 PERCENT (g)	1.5%	0%	2.6%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	2/60 (3%)
FIRST INCIDENCE	567	---	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.281	P=0.475N	P=0.557	P=0.556
POLY 1.5	P=0.265	P=0.487N	P=0.533	P=0.530
POLY 6	P=0.307	P=0.456N	P=0.593	P=0.598
RAO-SCOTT	P=0.310	P=0.465N	P=0.548	P=0.547
LITTER C-A/FISHERS	P=0.244	P=0.500N	P=0.500	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver				
Infiltration Cellular Histiocyte				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Infiltration Cellular Mixed Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	2/90 (2%)	0/90 (0%)	5/90 (6%)
LITTERS (b)	3/35 (9%)	2/35 (6%)	0/35 (0%)	4/35 (11%)
POLY-3 RATE (c)	3/66.00	2/76.19	0/77.89	5/80.30
POLY-3 PERCENT (g)	4.6%	2.6%	0%	6.2%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	624	320	---	443
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.253	P=0.436N	P=0.094N	P=0.469
POLY 1.5	P=0.241	P=0.464N	P=0.105N	P=0.419
POLY 6	P=0.270	P=0.391N	P=0.080N	P=0.547
RAO-SCOTT	P=0.342	P=0.469N	P=0.158N	P=0.495
LITTER C-A/FISHERS	P=0.385	P=0.500N	P=0.120N	P=0.500



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver				
Inflammation Chronic				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/90 (36%)	45/90 (50%)	50/90 (56%)	58/90 (64%)
LITTERS (b)	23/35 (66%)	26/35 (74%)	28/35 (80%)	32/35 (91%)
POLY-3 RATE (c)	32/70.45	45/78.80	50/81.73	58/80.27
POLY-3 PERCENT (g)	45.4%	57.1%	61.2%	72.3%
TERMINAL (d)	17/25 (68%)	33/45 (73%)	40/50 (80%)	48/60 (80%)
FIRST INCIDENCE	552	320	501	443
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.092	P=0.030*	P<0.001**
POLY 1.5	P<0.001**	P=0.060	P=0.015*	P<0.001**
POLY 6	P<0.001**	P=0.171	P=0.078	P<0.001**
RAO-SCOTT	P<0.001**	P=0.101	P=0.037*	P<0.001**
LITTER C-A/FISHERS	P=0.006**	P=0.301	P=0.141	P=0.009**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	5/90 (6%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	2/65.89	5/76.02	1/77.89	0/77.66
POLY-3 PERCENT (g)	3%	6.6%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	662	614	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.047N*	P=0.281	P=0.442N	P=0.204N
POLY 1.5	P=0.057N	P=0.252	P=0.466N	P=0.219N
POLY 6	P=0.035N*	P=0.332	P=0.406N	P=0.181N
RAO-SCOTT	P=0.087N	P=0.312	P=0.461N	P=0.246N
LITTER C-A/FISHERS	P=0.070N	P=0.214	P=0.500N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Bile Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	3/90 (3%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	3/66.01	3/74.87	2/77.96	0/77.66
POLY-3 PERCENT (g)	4.6%	4%	2.6%	0%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	567	730 (T)	722	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.055N	P=0.602N	P=0.425N	P=0.095N
POLY 1.5	P=0.062N	P=0.630N	P=0.457N	P=0.106N
POLY 6	P=0.045N*	P=0.555N	P=0.378N	P=0.078N
RAO-SCOTT	P=0.106N	P=0.607N	P=0.468N	P=0.165N
LITTER C-A/FISHERS	P=0.133N	P=0.500	P=0.693	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	41/90 (46%)	35/90 (39%)	37/90 (41%)	33/90 (37%)
LITTERS (b)	25/35 (71%)	21/35 (60%)	27/35 (77%)	22/35 (63%)
POLY-3 RATE (c)	41/76.21	35/78.91	37/81.22	33/79.77
POLY-3 PERCENT (g)	53.8%	44.4%	45.6%	41.4%
TERMINAL (d)	11/25 (44%)	20/45 (44%)	24/50 (48%)	26/60 (43%)
FIRST INCIDENCE	294	486	526	472
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.096N	P=0.147N	P=0.184N	P=0.075N
POLY 1.5	P=0.122N	P=0.179N	P=0.232N	P=0.102N
POLY 6	P=0.065N	P=0.106N	P=0.130N	P=0.045N*
RAO-SCOTT	P=0.125N	P=0.184N	P=0.220N	P=0.108N
LITTER C-A/FISHERS	P=0.392N	P=0.225N	P=0.393	P=0.306N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Hepatocyte Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Hepatocyte Increased mitoses</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver: Hepatocyte Necrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	6/90 (7%)	8/90 (9%)	1/90 (1%)
LITTERS (b)	5/35 (14%)	6/35 (17%)	7/35 (20%)	1/35 (3%)
POLY-3 RATE (c)	5/66.43	6/77.37	8/79.84	1/78.24
POLY-3 PERCENT (g)	7.5%	7.8%	10%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	654	291	526	544
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.062N	P=0.603	P=0.407	P=0.072N
POLY 1.5	P=0.079N	P=0.558	P=0.353	P=0.086N
POLY 6	P=0.042N*	P=0.575N	P=0.492	P=0.054N
RAO-SCOTT	P=0.088N	P=0.589	P=0.411	P=0.088N
LITTER C-A/FISHERS	P=0.084N	P=0.500	P=0.376	P=0.099N

---



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Liver: Hepatocyte  
Vacuolation, Cytoplasmic

---

**LESION RATES**

OVERALL (a)	6/90 (7%)	4/90 (4%)	9/90 (10%)	3/90 (3%)
LITTERS (b)	6/35 (17%)	4/35 (11%)	9/35 (26%)	3/35 (9%)
POLY-3 RATE (c)	6/66.43	4/75.28	9/80.44	3/77.72
POLY-3 PERCENT (g)	9%	5.3%	11.2%	3.9%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	642	615	505	714

---

**STATISTICAL TESTS**

POLY 3	P=0.220N	P=0.297N	P=0.439	P=0.176N
POLY 1.5	P=0.254N	P=0.331N	P=0.375	P=0.207N
POLY 6	P=0.174N	P=0.247N	P=0.536	P=0.133N
RAO-SCOTT	P=0.227N	P=0.290N	P=0.429	P=0.175N
LITTER C-A/FISHERS	P=0.291N	P=0.367N	P=0.281	P=0.239N

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Liver: Hepatocyte, Centrilobular  
Necrosis

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Kupffer Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Liver: Kupffer Cell Hypertrophy

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Periductal Cholangiofibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	1/90 (1%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	2/65.61	1/74.94	1/78.51	1/77.70
POLY-3 PERCENT (g)	3.1%	1.3%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	704	713	527	719
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.387N	P=0.454N	P=0.438N	P=0.442N
POLY 1.5	P=0.396N	P=0.475N	P=0.464N	P=0.469N
POLY 6	P=0.376N	P=0.419N	P=0.399N	P=0.398N
RAO-SCOTT	P=0.376N	P=0.440N	P=0.429N	P=0.431N
LITTER C-A/FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Lung Congestion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	13/90 (14%)	15/90 (17%)	11/90 (12%)	10/90 (11%)
LITTERS (b)	10/35 (29%)	14/35 (40%)	9/35 (26%)	10/35 (29%)
POLY-3 RATE (c)	13/70.11	15/79.19	11/80.77	10/82.86
POLY-3 PERCENT (g)	18.5%	18.9%	13.6%	12.1%
TERMINAL (d)	1/25 (4%)	1/45 (2%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	294	309	505	247
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.111N	P=0.559	P=0.274N	P=0.187N
POLY 1.5	P=0.147N	P=0.495	P=0.330N	P=0.243N
POLY 6	P=0.071N	P=0.509N	P=0.200N	P=0.119N
RAO-SCOTT	P=0.126N	P=0.550	P=0.281N	P=0.198N
LITTER C-A/FISHERS	P=0.390N	P=0.225	P=0.500N	P=0.604

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lung Foreign Body				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	0/90 (0%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	4/35 (11%)	0/35 (0%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	4/67.95	0/74.87	2/78.23	1/77.82
POLY-3 PERCENT (g)	5.9%	0%	2.6%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	248	---	636	688
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.192N	P=0.051N	P=0.277N	P=0.143N
POLY 1.5	P=0.195N	P=0.057N	P=0.304N	P=0.161N
POLY 6	P=0.190N	P=0.043N*	P=0.238N	P=0.116N
RAO-SCOTT	P=0.216N	P=0.088N	P=0.318N	P=0.190N
LITTER C-A/FISHERS	P=0.197N	P=0.057N	P=0.337N	P=0.178N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lung Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	4/90 (4%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	4/35 (11%)	3/35 (9%)	0/35 (0%)
POLY-3 RATE (c)	3/66.59	4/75.88	3/78.24	0/77.66
POLY-3 PERCENT (g)	4.5%	5.3%	3.8%	0%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	552	562	636	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.055N	P=0.570	P=0.585N	P=0.096N
POLY 1.5	P=0.065N	P=0.538	P=0.617N	P=0.107N
POLY 6	P=0.042N*	P=0.622	P=0.534N	P=0.080N
RAO-SCOTT	P=0.076N	P=0.556	P=0.571N	P=0.112N
LITTER C-A/FISHERS	P=0.075N	P=0.500	P=0.663	P=0.120N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Lung Inflammation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	1/90 (1%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	3/35 (9%)	1/35 (3%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	3/67.40	1/75.41	2/78.26	1/77.82
POLY-3 PERCENT (g)	4.5%	1.3%	2.6%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	248	562	636	688
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.258N	P=0.268N	P=0.433N	P=0.258N
POLY 1.5	P=0.268N	P=0.286N	P=0.462N	P=0.281N
POLY 6	P=0.245N	P=0.238N	P=0.388N	P=0.221N
RAO-SCOTT	P=0.268N	P=0.284N	P=0.438N	P=0.276N
LITTER C-A/FISHERS	P=0.278N	P=0.307N	P=0.500N	P=0.307N

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.70	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	671	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.210N	P=0.203N	P=0.203N
POLY 1.5	P=0.121N	P=0.223N	P=0.217N	P=0.219N
POLY 6	P=0.144N	P=0.191N	P=0.182N	P=0.180N
RAO-SCOTT	P=0.227N	P=0.350N	P=0.346N	P=0.347N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	8/90 (9%)	5/90 (6%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	6/35 (17%)	5/35 (14%)	2/35 (6%)
POLY-3 RATE (c)	2/65.83	8/75.67	5/79.25	3/78.05
POLY-3 PERCENT (g)	3%	10.6%	6.3%	3.8%
TERMINAL (d)	0/25 (0%)	5/45 (11%)	2/50 (4%)	2/60 (3%)
FIRST INCIDENCE	663	614	537	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.337N	P=0.078	P=0.301	P=0.576
POLY 1.5	P=0.394N	P=0.064	P=0.265	P=0.541
POLY 6	P=0.255N	P=0.106	P=0.359	P=0.632
RAO-SCOTT	P=0.404N	P=0.117	P=0.337	P=0.578
LITTER C-A/FISHERS	P=0.409N	P=0.130	P=0.214	P=0.693

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung</b>				
<b>Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	3/35 (9%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	3/78.35	0/77.66
POLY-3 PERCENT (g)	0%	0%	3.8%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	---	---	594	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.617	(e)	P=0.156	(e)
POLY 1.5	P=0.581	(e)	P=0.141	(e)
POLY 6	P=0.665N	(e)	P=0.184	(e)
RAO-SCOTT	P=0.611	(e)	P=0.258	(e)
LITTER C-A/FISHERS	P=0.539	(e)	P=0.120	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	37/90 (41%)	40/90 (44%)	43/90 (48%)	48/90 (53%)
LITTERS (b)	25/35 (71%)	27/35 (77%)	26/35 (74%)	25/35 (71%)
POLY-3 RATE (c)	37/73.40	40/83.01	43/82.81	48/83.70
POLY-3 PERCENT (g)	50.4%	48.2%	51.9%	57.4%
TERMINAL (d)	13/25 (52%)	21/45 (47%)	24/50 (48%)	35/60 (58%)
FIRST INCIDENCE	440	291	526	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.143	P=0.452N	P=0.488	P=0.231
POLY 1.5	P=0.094	P=0.559	P=0.372	P=0.141
POLY 6	P=0.246	P=0.296N	P=0.471N	P=0.421
RAO-SCOTT	P=0.182	P=0.462N	P=0.493	P=0.264
LITTER C-A/FISHERS	P=0.487N	P=0.393	P=0.500	P=0.604

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Lung: Alveolus Pigment				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	5/90 (6%)	6/90 (7%)	3/90 (3%)
LITTERS (b)	3/35 (9%)	4/35 (11%)	6/35 (17%)	3/35 (9%)
POLY-3 RATE (c)	3/65.83	5/75.61	6/79.05	3/78.61
POLY-3 PERCENT (g)	4.6%	6.6%	7.6%	3.8%
TERMINAL (d)	2/25 (8%)	2/45 (4%)	3/50 (6%)	1/60 (2%)
FIRST INCIDENCE	629	639	594	554
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.403N	P=0.436	P=0.343	P=0.577N
POLY 1.5	P=0.454N	P=0.399	P=0.300	P=0.616N
POLY 6	P=0.330N	P=0.497	P=0.413	P=0.511N
RAO-SCOTT	P=0.433N	P=0.435	P=0.352	P=0.565N
LITTER C-A/FISHERS	P=0.571	P=0.500	P=0.239	P=0.663

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Lung: Artery, Mediastinum  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.91	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	604	---	---	---

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**STATISTICAL TESTS**

POLY 3	P=0.128N	P=0.211N	P=0.203N	P=0.204N
POLY 1.5	P=0.121N	P=0.223N	P=0.218N	P=0.219N
POLY 6	P=0.143N	P=0.192N	P=0.183N	P=0.181N
RAO-SCOTT	P=0.229N	P=0.353N	P=0.350N	P=0.350N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Epithelium Alveolus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	3/90 (3%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	3/35 (9%)	3/35 (9%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	3/66.23	3/75.21	3/78.80	1/77.66
POLY-3 PERCENT (g)	4.5%	4%	3.8%	1.3%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	580	636	550	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.178N	P=0.601N	P=0.579N	P=0.253N
POLY 1.5	P=0.198N	P=0.629N	P=0.614N	P=0.277N
POLY 6	P=0.151N	P=0.555N	P=0.524N	P=0.216N
RAO-SCOTT	P=0.186N	P=0.576N	P=0.557N	P=0.243N
LITTER C-A/FISHERS	P=0.219N	P=0.663	P=0.663	P=0.307N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Interstitium</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/65.74	0/74.87	2/78.29	0/77.66
POLY-3 PERCENT (g)	1.5%	0%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	659	---	663	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.432N	P=0.474N	P=0.560	P=0.467N
POLY 1.5	P=0.445N	P=0.486N	P=0.535	P=0.482N
POLY 6	P=0.413N	P=0.455N	P=0.599	P=0.442N
RAO-SCOTT	P=0.473N	P=0.526N	P=0.581	P=0.525N
LITTER C-A/FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	0/90 (0%)	0/89 (0%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	0/64.73	0/74.87	0/77.52	3/78.99
POLY-3 PERCENT (g)	0%	0%	0%	3.8%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.014*	(e)	(e)	P=0.161
POLY 1.5	P=0.013*	(e)	(e)	P=0.142
POLY 6	P=0.015*	(e)	(e)	P=0.194
RAO-SCOTT	P=0.062	(e)	(e)	P=0.261
LITTER C-A/FISHERS	P=0.012*	(e)	(e)	P=0.120

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	2/90 (2%)	4/89 (4%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	4/35 (11%)	3/35 (9%)
POLY-3 RATE (c)	0/64.73	2/75.41	4/78.17	3/77.99
POLY-3 PERCENT (g)	0%	2.7%	5.1%	3.9%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	2/60 (3%)
FIRST INCIDENCE	---	562	537	638
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.173	P=0.274	P=0.091	P=0.158
POLY 1.5	P=0.145	P=0.258	P=0.078	P=0.141
POLY 6	P=0.224	P=0.300	P=0.115	P=0.190
RAO-SCOTT	P=0.202	P=0.322	P=0.138	P=0.210
LITTER C-A/FISHERS	P=0.070	P=0.500	P=0.057	P=0.120

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	41/89 (46%)	50/90 (56%)	54/89 (61%)	57/90 (63%)
LITTERS (b)	27/35 (77%)	34/35 (97%)	29/35 (83%)	32/35 (91%)
POLY-3 RATE (c)	41/70.78	50/79.71	54/81.46	57/82.22
POLY-3 PERCENT (g)	57.9%	62.7%	66.3%	69.3%
TERMINAL (d)	23/25 (92%)	32/45 (71%)	38/50 (76%)	43/60 (72%)
FIRST INCIDENCE	541	530	539	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.073	P=0.322	P=0.170	P=0.083
POLY 1.5	P=0.037*	P=0.216	P=0.093	P=0.038*
POLY 6	P=0.183	P=0.542	P=0.361	P=0.244
RAO-SCOTT	P=0.087	P=0.330	P=0.189	P=0.102
LITTER C-A/FISHERS	P=0.174	P=0.014*	P=0.383	P=0.094

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Infiltration Cellular Polymorphonuclear</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/89 (2%)	0/90 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.75	0/74.87	0/77.52	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	248	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.126N	P=0.211N	P=0.204N	P=0.203N
POLY 1.5	P=0.119N	P=0.223N	P=0.218N	P=0.219N
POLY 6	P=0.141N	P=0.192N	P=0.183N	P=0.180N
RAO-SCOTT	P=0.235N	P=0.362N	P=0.361N	P=0.359N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	49/89 (55%)	67/90 (74%)	69/89 (78%)	68/90 (76%)
LITTERS (b)	29/35 (83%)	34/35 (97%)	33/35 (94%)	34/35 (97%)
POLY-3 RATE (c)	49/73.96	67/83.73	69/84.48	68/85.62
POLY-3 PERCENT (g)	66.3%	80%	81.7%	79.4%
TERMINAL (d)	20/25 (80%)	35/45 (78%)	42/50 (84%)	47/60 (78%)
FIRST INCIDENCE	541	486	537	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.070	P=0.027*	P=0.013*	P=0.034*
POLY 1.5	P=0.025*	P=0.011*	P=0.005**	P=0.011*
POLY 6	P=0.209	P=0.093	P=0.049*	P=0.131
RAO-SCOTT	P=0.071	P=0.038*	P=0.021*	P=0.045*
LITTER C-A/FISHERS	P=0.048*	P=0.053	P=0.130	P=0.053

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular: Lymphatic Sinus Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/89 (18%)	12/90 (13%)	20/89 (22%)	16/90 (18%)
LITTERS (b)	15/35 (43%)	11/35 (31%)	18/35 (51%)	13/35 (37%)
POLY-3 RATE (c)	16/68.47	12/75.67	20/78.74	16/77.66
POLY-3 PERCENT (g)	23.4%	15.9%	25.4%	20.6%
TERMINAL (d)	4/25 (16%)	8/45 (18%)	14/50 (28%)	16/60 (27%)
FIRST INCIDENCE	541	639	550	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.524	P=0.175N	P=0.462	P=0.419N
POLY 1.5	P=0.469	P=0.210N	P=0.388	P=0.485N
POLY 6	P=0.474N	P=0.126N	P=0.573	P=0.316N
RAO-SCOTT	P=0.525	P=0.167N	P=0.449	P=0.405N
LITTER C-A/FISHERS	P=0.512N	P=0.229N	P=0.316	P=0.404N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/90 (19%)	7/89 (8%)	7/86 (8%)	8/89 (9%)
LITTERS (b)	12/35 (34%)	7/35 (20%)	5/35 (14%)	7/35 (20%)
POLY-3 RATE (c)	17/70.61	7/74.28	7/74.76	8/78.18
POLY-3 PERCENT (g)	24.1%	9.4%	9.4%	10.2%
TERMINAL (d)	2/25 (8%)	4/44 (9%)	5/50 (10%)	5/60 (8%)
FIRST INCIDENCE	496	683	677	638
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035N*	P=0.014N*	P=0.014N*	P=0.019N*
POLY 1.5	P=0.042N*	P=0.018N*	P=0.019N*	P=0.028N*
POLY 6	P=0.026N*	P=0.009N**	P=0.008N**	P=0.010N**
RAO-SCOTT	P=0.051N	P=0.030N*	P=0.029N*	P=0.038N*
LITTER C-A/FISHERS	P=0.128N	P=0.141N	P=0.046N*	P=0.141N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/89 (0%)	1/86 (1%)	4/89 (4%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	1/35 (3%)	4/35 (11%)
POLY-3 RATE (c)	2/65.70	0/73.87	1/74.43	4/77.24
POLY-3 PERCENT (g)	3%	0%	1.3%	5.2%
TERMINAL (d)	1/25 (4%)	0/44 (0%)	1/50 (2%)	4/60 (7%)
FIRST INCIDENCE	671	---	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.120	P=0.213N	P=0.457N	P=0.415
POLY 1.5	P=0.115	P=0.226N	P=0.482N	P=0.377
POLY 6	P=0.127	P=0.194N	P=0.418N	P=0.480
RAO-SCOTT	P=0.178	P=0.246N	P=0.469N	P=0.430
LITTER C-A/FISHERS	P=0.106	P=0.246N	P=0.500N	P=0.337

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/89 (0%)	1/86 (1%)	0/89 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/65.53	0/73.87	1/74.43	0/77.24
POLY-3 PERCENT (g)	1.5%	0%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/44 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	715	---	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Infiltration Cellular Polymorphonuclear</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/89 (0%)	0/86 (0%)	0/89 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/66.65	0/73.87	0/74.43	0/77.24
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/44 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	498	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.129N	P=0.216N	P=0.215N	P=0.207N
POLY 1.5	P=0.122N	P=0.227N	P=0.229N	P=0.222N
POLY 6	P=0.142N	P=0.198N	P=0.195N	P=0.184N
RAO-SCOTT	P=0.233N	P=0.360N	P=0.364N	P=0.356N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node, Mesenteric: Lymphatic Sinus  
Ectasia

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	3/89 (3%)	2/86 (2%)	1/89 (1%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	3/73.87	2/74.63	1/77.24
POLY-3 PERCENT (g)	0%	4.1%	2.7%	1.3%
TERMINAL (d)	0/25 (0%)	3/44 (7%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	730 (T)	677	730 (T)

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**STATISTICAL TESTS**

POLY 3	P=0.580N	P=0.144	P=0.269	P=0.533
POLY 1.5	P=0.606	P=0.132	P=0.251	P=0.517
POLY 6	P=0.514N	P=0.166	P=0.298	P=0.559
RAO-SCOTT	P=0.605	P=0.176	P=0.298	P=0.536
LITTER C-A/FISHERS	P=0.556	P=0.120	P=0.246	P=0.500

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node, Mesenteric: Lymphocyte Depletion

---

LESION RATES				
OVERALL (a)	2/90 (2%)	0/89 (0%)	0/86 (0%)	0/89 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.65	0/73.87	0/74.43	0/77.24
POLY-3 PERCENT (g)	3.1%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/44 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	705	---	---	---

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STATISTICAL TESTS				
POLY 3	P=0.131N	P=0.213N	P=0.212N	P=0.204N
POLY 1.5	P=0.123N	P=0.226N	P=0.227N	P=0.221N
POLY 6	P=0.146N	P=0.194N	P=0.190N	P=0.180N
RAO-SCOTT	P=0.229N	P=0.352N	P=0.355N	P=0.348N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Bronchial Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/25 (0%)	0/22 (0%)	3/18 (17%)	0/12 (0%)
LITTERS (b)	0/19 (0%)	0/18 (0%)	3/16 (19%)	0/11 (0%)
POLY-3 RATE (c)	0/20.57	0/18.66	3/16.22	0/9.85
POLY-3 PERCENT (g)	0%	0%	18.5%	0%
TERMINAL (d)	0/9 (0%)	0/14 (0%)	2/8 (25%)	0/7 (0%)
FIRST INCIDENCE	---	---	636	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.322	(e)	P=0.069	(e)
POLY 1.5	P=0.331	(e)	P=0.065	(e)
POLY 6	P=0.315	(e)	P=0.076	(e)
RAO-SCOTT	P=0.416	(e)	P=0.165	(e)
LITTER C-A/FISHERS	P=0.399	(e)	P=0.086	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lymph Node: Iliac Erythrophagocytosis				
<b>LESION RATES</b>				
OVERALL (a)	2/25 (8%)	2/22 (9%)	1/18 (6%)	0/12 (0%)
LITTERS (b)	2/19 (11%)	2/18 (11%)	1/16 (6%)	0/11 (0%)
POLY-3 RATE (c)	2/20.61	2/19.00	1/15.88	0/9.85
POLY-3 PERCENT (g)	9.7%	10.5%	6.3%	0%
TERMINAL (d)	1/9 (11%)	1/14 (7%)	1/8 (13%)	0/7 (0%)
FIRST INCIDENCE	719	638	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.256N	P=0.668	P=0.592N	P=0.410N
POLY 1.5	P=0.259N	P=0.656	P=0.602N	P=0.411N
POLY 6	P=0.251N	P=0.688	P=0.580N	P=0.407N
RAO-SCOTT	P=0.253N	P=0.651	P=0.578N	P=0.390N
LITTER C-A/FISHERS	P=0.213N	P=0.677	P=0.566N	P=0.393N



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/25 (8%)	0/22 (0%)	0/18 (0%)	1/12 (8%)
LITTERS (b)	2/19 (11%)	0/18 (0%)	0/16 (0%)	1/11 (9%)
POLY-3 RATE (c)	2/20.57	0/18.66	0/15.88	1/9.85
POLY-3 PERCENT (g)	9.7%	0%	0%	10.2%
TERMINAL (d)	2/9 (22%)	0/14 (0%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.637N	P=0.255N	P=0.292N	P=0.726
POLY 1.5	P=0.640N	P=0.261N	P=0.300N	P=0.724
POLY 6	P=0.636N	P=0.245N	P=0.282N	P=0.731
RAO-SCOTT	P=0.652N	P=0.364N	P=0.405N	P=0.738
LITTER C-A/FISHERS	P=0.601N	P=0.257N	P=0.287N	P=0.702N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/25 (8%)	0/22 (0%)	1/18 (6%)	0/12 (0%)
LITTERS (b)	2/19 (11%)	0/18 (0%)	1/16 (6%)	0/11 (0%)
POLY-3 RATE (c)	2/20.57	0/18.66	1/16.22	0/9.85
POLY-3 PERCENT (g)	9.7%	0%	6.2%	0%
TERMINAL (d)	2/9 (22%)	0/14 (0%)	0/8 (0%)	0/7 (0%)
FIRST INCIDENCE	730 (T)	---	636	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.307N	P=0.255N	P=0.584N	P=0.409N
POLY 1.5	P=0.309N	P=0.261N	P=0.597N	P=0.410N
POLY 6	P=0.306N	P=0.245N	P=0.565N	P=0.406N
RAO-SCOTT	P=0.339N	P=0.314N	P=0.607N	P=0.450N
LITTER C-A/FISHERS	P=0.272N	P=0.257N	P=0.566N	P=0.393N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/25 (12%)	1/22 (5%)	1/18 (6%)	2/12 (17%)
LITTERS (b)	3/19 (16%)	1/18 (6%)	1/16 (6%)	2/11 (18%)
POLY-3 RATE (c)	3/20.63	1/18.66	1/15.97	2/10.53
POLY-3 PERCENT (g)	14.6%	5.4%	6.3%	19%
TERMINAL (d)	2/9 (22%)	1/14 (7%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	715	730 (T)	708	500
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.478	P=0.337N	P=0.397N	P=0.577
POLY 1.5	P=0.470	P=0.346N	P=0.410N	P=0.565
POLY 6	P=0.486	P=0.322N	P=0.380N	P=0.596
RAO-SCOTT	P=0.498	P=0.366N	P=0.426N	P=0.586
LITTER C-A/FISHERS	P=0.533	P=0.323N	P=0.370N	P=0.619

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac, Lymphatic Sinus Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/25 (20%)	2/22 (9%)	0/18 (0%)	1/12 (8%)
LITTERS (b)	4/19 (21%)	2/18 (11%)	0/16 (0%)	1/11 (9%)
POLY-3 RATE (c)	5/20.67	2/18.66	0/15.88	1/9.85
POLY-3 PERCENT (g)	24.2%	10.7%	0%	10.2%
TERMINAL (d)	3/9 (33%)	2/14 (14%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	715	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.119N	P=0.246N	P=0.045N*	P=0.336N
POLY 1.5	P=0.124N	P=0.257N	P=0.050N*	P=0.337N
POLY 6	P=0.114N	P=0.227N	P=0.039N*	P=0.330N
RAO-SCOTT	P=0.147N	P=0.268N	P=0.072N	P=0.349N
LITTER C-A/FISHERS	P=0.169N	P=0.357N	P=0.074N	P=0.381N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Lumbar Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/25 (8%)	1/22 (5%)	1/18 (6%)	1/12 (8%)
LITTERS (b)	2/19 (11%)	1/18 (6%)	1/16 (6%)	1/11 (9%)
POLY-3 RATE (c)	2/20.60	1/18.66	1/15.91	1/9.85
POLY-3 PERCENT (g)	9.7%	5.4%	6.3%	10.2%
TERMINAL (d)	1/9 (11%)	1/14 (7%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	722	730 (T)	722	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.618	P=0.535N	P=0.591N	P=0.725
POLY 1.5	P=0.618	P=0.542N	P=0.601N	P=0.724
POLY 6	P=0.621	P=0.522N	P=0.578N	P=0.730
RAO-SCOTT	P=0.608	P=0.527N	P=0.585N	P=0.706
LITTER C-A/FISHERS	P=0.588N	P=0.521N	P=0.566N	P=0.702N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Lumbar Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/25 (0%)	1/22 (5%)	0/18 (0%)	1/12 (8%)
LITTERS (b)	0/19 (0%)	1/18 (6%)	0/16 (0%)	1/11 (9%)
POLY-3 RATE (c)	0/20.57	1/18.66	0/15.88	1/9.85
POLY-3 PERCENT (g)	0%	5.4%	0%	10.2%
TERMINAL (d)	0/9 (0%)	1/14 (7%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Lymph Node: Lumbar  
Proliferation Plasma Cell

---

**LESION RATES**

OVERALL (a)	0/25 (0%)	1/22 (5%)	0/18 (0%)	1/12 (8%)
LITTERS (b)	0/19 (0%)	1/18 (6%)	0/16 (0%)	1/11 (9%)
POLY-3 RATE (c)	0/20.57	1/18.66	0/15.88	1/9.85
POLY-3 PERCENT (g)	0%	5.4%	0%	10.2%
TERMINAL (d)	0/9 (0%)	1/14 (7%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Lumbar, Lymphatic Sinus Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/25 (0%)	2/22 (9%)	1/18 (6%)	0/12 (0%)
LITTERS (b)	0/19 (0%)	2/18 (11%)	1/16 (6%)	0/11 (0%)
POLY-3 RATE (c)	0/20.57	2/18.66	1/15.91	0/9.85
POLY-3 PERCENT (g)	0%	10.7%	6.3%	0%
TERMINAL (d)	0/9 (0%)	2/14 (14%)	0/8 (0%)	0/7 (0%)
FIRST INCIDENCE	---	730 (T)	722	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.640N	P=0.211	P=0.448	(e)
POLY 1.5	P=0.644N	P=0.207	P=0.442	(e)
POLY 6	P=0.632N	P=0.219	P=0.456	(e)
RAO-SCOTT	P=0.645N	P=0.296	P=0.537	(e)
LITTER C-A/FISHERS	P=0.601N	P=0.230	P=0.457	(e)



Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
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First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Mediastinal  
Congestion

---

**LESION RATES**

OVERALL (a)	0/25 (0%)	0/22 (0%)	2/18 (11%)	0/12 (0%)
LITTERS (b)	0/19 (0%)	0/18 (0%)	2/16 (13%)	0/11 (0%)
POLY-3 RATE (c)	0/20.57	0/18.66	2/16.58	0/9.85
POLY-3 PERCENT (g)	0%	0%	12.1%	0%
TERMINAL (d)	0/9 (0%)	0/14 (0%)	0/8 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	505	---

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**STATISTICAL TESTS**

POLY 3	P=0.420	(e)	P=0.183	(e)
POLY 1.5	P=0.430	(e)	P=0.174	(e)
POLY 6	P=0.413	(e)	P=0.195	(e)
RAO-SCOTT	P=0.507	(e)	P=0.317	(e)
LITTER C-A/FISHERS	P=0.487	(e)	P=0.202	(e)

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
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First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Mediastinal  
Erythrophagocytosis

---

**LESION RATES**

OVERALL (a)	6/25 (24%)	5/22 (23%)	5/18 (28%)	6/12 (50%)
LITTERS (b)	5/19 (26%)	5/18 (28%)	5/16 (31%)	6/11 (55%)
POLY-3 RATE (c)	6/21.68	5/18.99	5/15.88	6/10.35
POLY-3 PERCENT (g)	27.7%	26.3%	31.5%	58%
TERMINAL (d)	3/9 (33%)	4/14 (29%)	5/8 (63%)	5/7 (71%)
FIRST INCIDENCE	552	639	730 (T)	582

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**STATISTICAL TESTS**

POLY 3	P=0.066	P=0.601N	P=0.543	P=0.094
POLY 1.5	P=0.070	P=0.604N	P=0.538	P=0.101
POLY 6	P=0.061	P=0.588N	P=0.548	P=0.090
RAO-SCOTT	P=0.065	P=0.583N	P=0.525	P=0.093
LITTER C-A/FISHERS	P=0.082	P=0.605	P=0.519	P=0.125

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Mediastinal  
Hyperplasia Lymphocyte

---

LESION RATES				
OVERALL (a)	0/25 (0%)	0/22 (0%)	0/18 (0%)	0/12 (0%)
LITTERS (b)	0/19 (0%)	0/18 (0%)	0/16 (0%)	0/11 (0%)
POLY-3 RATE (c)	0/20.57	0/18.66	0/15.88	0/9.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/14 (0%)	0/8 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---

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STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

**Lymph Node: Mediastinal  
Proliferation Plasma Cell**

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**LESION RATES**

OVERALL (a)	0/25 (0%)	0/22 (0%)	0/18 (0%)	0/12 (0%)
LITTERS (b)	0/19 (0%)	0/18 (0%)	0/16 (0%)	0/11 (0%)
POLY-3 RATE (c)	0/20.57	0/18.66	0/15.88	0/9.85
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/14 (0%)	0/8 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Pancreatic Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/25 (12%)	1/22 (5%)	0/18 (0%)	2/12 (17%)
LITTERS (b)	3/19 (16%)	1/18 (6%)	0/16 (0%)	2/11 (18%)
POLY-3 RATE (c)	3/20.96	1/18.66	0/15.88	2/9.99
POLY-3 PERCENT (g)	14.3%	5.4%	0%	20%
TERMINAL (d)	0/9 (0%)	1/14 (7%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	681	730 (T)	---	694
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.541	P=0.343N	P=0.164N	P=0.547
POLY 1.5	P=0.538	P=0.349N	P=0.170N	P=0.547
POLY 6	P=0.543	P=0.335N	P=0.158N	P=0.551
RAO-SCOTT	P=0.541	P=0.385N	P=0.226N	P=0.562
LITTER C-A/FISHERS	P=0.600	P=0.323N	P=0.148N	P=0.619

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Renal Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/25 (32%)	4/22 (18%)	3/18 (17%)	1/12 (8%)
LITTERS (b)	7/19 (37%)	4/18 (22%)	3/16 (19%)	1/11 (9%)
POLY-3 RATE (c)	8/22.92	4/18.83	3/16.00	1/10.12
POLY-3 PERCENT (g)	34.9%	21.2%	18.8%	9.9%
TERMINAL (d)	1/9 (11%)	3/14 (21%)	1/8 (13%)	0/7 (0%)
FIRST INCIDENCE	496	687	708	657
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.078N	P=0.266N	P=0.230N	P=0.143N
POLY 1.5	P=0.075N	P=0.255N	P=0.225N	P=0.135N
POLY 6	P=0.081N	P=0.274N	P=0.237N	P=0.150N
RAO-SCOTT	P=0.084N	P=0.263N	P=0.231N	P=0.142N
LITTER C-A/FISHERS	P=0.065N	P=0.271N	P=0.212N	P=0.108N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Renal Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/25 (8%)	0/22 (0%)	0/18 (0%)	1/12 (8%)
LITTERS (b)	2/19 (11%)	0/18 (0%)	0/16 (0%)	1/11 (9%)
POLY-3 RATE (c)	2/20.61	0/18.66	0/15.88	1/9.85
POLY-3 PERCENT (g)	9.7%	0%	0%	10.2%
TERMINAL (d)	1/9 (11%)	0/14 (0%)	0/8 (0%)	1/7 (14%)
FIRST INCIDENCE	719	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.637N	P=0.256N	P=0.293N	P=0.725
POLY 1.5	P=0.640N	P=0.261N	P=0.301N	P=0.724
POLY 6	P=0.636N	P=0.246N	P=0.283N	P=0.730
RAO-SCOTT	P=0.646N	P=0.339N	P=0.380N	P=0.729
LITTER C-A/FISHERS	P=0.601N	P=0.257N	P=0.287N	P=0.702N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Renal, Lymphatic Sinus  
Ectasia

---

**LESION RATES**

OVERALL (a)	0/25 (0%)	3/22 (14%)	1/18 (6%)	1/12 (8%)
LITTERS (b)	0/19 (0%)	3/18 (17%)	1/16 (6%)	1/11 (9%)
POLY-3 RATE (c)	0/20.57	3/18.83	1/15.88	1/10.12
POLY-3 PERCENT (g)	0%	15.9%	6.3%	9.9%
TERMINAL (d)	0/9 (0%)	2/14 (14%)	1/8 (13%)	0/7 (0%)
FIRST INCIDENCE	---	687	730 (T)	657

---

**STATISTICAL TESTS**

POLY 3	P=0.367	P=0.095	P=0.448	P=0.355
POLY 1.5	P=0.358	P=0.092	P=0.442	P=0.353
POLY 6	P=0.386	P=0.102	P=0.456	P=0.362
RAO-SCOTT	P=0.386	P=0.141	P=0.494	P=0.405
LITTER C-A/FISHERS	P=0.412	P=0.105	P=0.457	P=0.367

---



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/82 (1%)	0/76 (0%)	2/82 (2%)	0/82 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/34 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/59.80	0/64.08	2/71.79	0/72.93
POLY-3 PERCENT (g)	1.7%	0%	2.8%	0%
TERMINAL (d)	0/24 (0%)	0/42 (0%)	1/49 (2%)	0/59 (0%)
FIRST INCIDENCE	595	---	724	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.417N	P=0.486N	P=0.563	P=0.461N
POLY 1.5	P=0.433N	P=0.499N	P=0.537	P=0.478N
POLY 6	P=0.395N	P=0.466N	P=0.601	P=0.434N
RAO-SCOTT	P=0.532N	P=0.663N	P=0.647	P=0.654N
LITTER C-A/FISHERS	P=0.406N	P=0.500N	P=0.746	P=0.500N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland</b>				
<b>Galactocele</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/82 (1%)	0/76 (0%)	0/82 (0%)	0/82 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/34 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/59.59	0/64.08	0/71.76	0/72.93
POLY-3 PERCENT (g)	1.7%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/42 (0%)	0/49 (0%)	0/59 (0%)
FIRST INCIDENCE	663	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/82 (0%)	2/76 (3%)	5/82 (6%)	2/82 (2%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	5/34 (15%)	2/35 (6%)
POLY-3 RATE (c)	0/59.34	2/64.29	5/73.04	2/72.93
POLY-3 PERCENT (g)	0%	3.1%	6.9%	2.7%
TERMINAL (d)	0/24 (0%)	1/42 (2%)	1/49 (2%)	2/59 (3%)
FIRST INCIDENCE	---	673	594	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.355	P=0.256	P=0.055	P=0.287
POLY 1.5	P=0.301	P=0.240	P=0.045*	P=0.264
POLY 6	P=0.445	P=0.284	P=0.076	P=0.324
RAO-SCOTT	P=0.330	P=0.270	P=0.075	P=0.300
LITTER C-A/FISHERS	P=0.224	P=0.246	P=0.025*	P=0.246

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland Hyperplasia Atypical</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/82 (0%)	0/76 (0%)	0/82 (0%)	0/82 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/34 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/59.34	0/64.08	0/71.76	0/72.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/42 (0%)	0/49 (0%)	0/59 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland: Duct Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/82 (4%)	13/76 (17%)	3/82 (4%)	13/82 (16%)
LITTERS (b)	3/35 (9%)	12/35 (34%)	3/34 (9%)	11/35 (31%)
POLY-3 RATE (c)	3/59.88	13/66.10	3/71.93	13/75.13
POLY-3 PERCENT (g)	5%	19.7%	4.2%	17.3%
TERMINAL (d)	1/24 (4%)	6/42 (14%)	1/49 (2%)	8/59 (14%)
FIRST INCIDENCE	624	486	699	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.108	P=0.013*	P=0.574N	P=0.027*
POLY 1.5	P=0.074	P=0.008**	P=0.611N	P=0.016*
POLY 6	P=0.176	P=0.024*	P=0.518N	P=0.054
RAO-SCOTT	P=0.134	P=0.027*	P=0.570N	P=0.047*
LITTER C-A/FISHERS	P=0.074	P=0.009**	P=0.649	P=0.017*

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mesentery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/39 (5%)	1/19 (5%)	0/17 (0%)	0/7 (0%)
LITTERS (b)	2/23 (9%)	1/14 (7%)	0/15 (0%)	0/6 (0%)
POLY-3 RATE (c)	2/28.07	1/16.03	0/14.54	0/6.04
POLY-3 PERCENT (g)	7.1%	6.2%	0%	0%
TERMINAL (d)	0/7 (0%)	0/8 (0%)	0/4 (0%)	0/4 (0%)
FIRST INCIDENCE	498	510	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.291N	P=0.697N	P=0.388N	P=0.615N
POLY 1.5	P=0.304N	P=0.718N	P=0.409N	P=0.632N
POLY 6	P=0.274N	P=0.658N	P=0.354N	P=0.583N
RAO-SCOTT	P=0.301N	P=0.669N	P=0.388N	P=0.599N
LITTER C-A/FISHERS	P=0.235N	P=0.684N	P=0.360N	P=0.623N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mesentery</b>				
<b>Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/39 (5%)	3/19 (16%)	1/17 (6%)	0/7 (0%)
LITTERS (b)	2/23 (9%)	2/14 (14%)	1/15 (7%)	0/6 (0%)
POLY-3 RATE (c)	2/26.89	3/15.54	1/14.62	0/6.04
POLY-3 PERCENT (g)	7.4%	19.3%	6.8%	0%
TERMINAL (d)	1/7 (14%)	2/8 (25%)	0/4 (0%)	0/4 (0%)
FIRST INCIDENCE	688	687	709	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.398N	P=0.248	P=0.715N	P=0.605N
POLY 1.5	P=0.449N	P=0.221	P=0.734	P=0.628N
POLY 6	P=0.323N	P=0.301	P=0.666N	P=0.565N
RAO-SCOTT	P=0.464N	P=0.306	P=0.705N	P=0.641N
LITTER C-A/FISHERS	P=0.373N	P=0.491	P=0.660N	P=0.623N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mesentery: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/39 (82%)	12/19 (63%)	14/17 (82%)	5/7 (71%)
LITTERS (b)	21/23 (91%)	10/14 (71%)	12/15 (80%)	5/6 (83%)
POLY-3 RATE (c)	32/37.06	12/17.16	14/16.56	5/6.77
POLY-3 PERCENT (g)	86.4%	69.9%	84.5%	73.8%
TERMINAL (d)	6/7 (86%)	5/8 (63%)	4/4 (100%)	3/4 (75%)
FIRST INCIDENCE	496	614	594	595
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.318N	P=0.125N	P=0.605N	P=0.393N
POLY 1.5	P=0.351N	P=0.115N	P=0.627N	P=0.416N
POLY 6	P=0.282N	P=0.135N	P=0.581N	P=0.369N
RAO-SCOTT	P=0.334N	P=0.147N	P=0.598N	P=0.407N
LITTER C-A/FISHERS	P=0.361N	P=0.130N	P=0.298N	P=0.515N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Mesentery: Artery  
Mineral

---

**LESION RATES**

OVERALL (a)	21/39 (54%)	4/19 (21%)	5/17 (29%)	2/7 (29%)
LITTERS (b)	15/23 (65%)	3/14 (21%)	5/15 (33%)	2/6 (33%)
POLY-3 RATE (c)	21/35.01	4/16.56	5/15.18	2/6.73
POLY-3 PERCENT (g)	60%	24.2%	32.9%	29.7%
TERMINAL (d)	0/7 (0%)	0/8 (0%)	0/4 (0%)	0/4 (0%)
FIRST INCIDENCE	496	582	649	595

---

**STATISTICAL TESTS**

POLY 3	P=0.033N*	P=0.012N*	P=0.063N	P=0.138N
POLY 1.5	P=0.039N*	P=0.014N*	P=0.069N	P=0.167N
POLY 6	P=0.027N*	P=0.011N*	P=0.061N	P=0.104N
RAO-SCOTT	P=0.046N*	P=0.020N*	P=0.078N	P=0.163N
LITTER C-A/FISHERS	P=0.060N	P=0.011N*	P=0.055N	P=0.172N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nerve Trigeminal Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	63/84 (75%)	69/88 (78%)	65/87 (75%)	63/88 (72%)
LITTERS (b)	34/35 (97%)	34/35 (97%)	32/35 (91%)	33/34 (97%)
POLY-3 RATE (c)	63/75.41	69/79.29	65/82.11	63/81.27
POLY-3 PERCENT (g)	83.5%	87%	79.2%	77.5%
TERMINAL (d)	20/25 (80%)	41/45 (91%)	39/48 (81%)	45/59 (76%)
FIRST INCIDENCE	496	510	505	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.088N	P=0.333	P=0.296N	P=0.213N
POLY 1.5	P=0.133N	P=0.356	P=0.366N	P=0.261N
POLY 6	P=0.049N*	P=0.306	P=0.247N	P=0.160N
RAO-SCOTT	P=0.116N	P=0.357	P=0.319N	P=0.239N
LITTER C-A/FISHERS	P=0.545N	P=0.754	P=0.307N	P=0.746N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose</b>				
<b>Foreign Body</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/89 (6%)	3/90 (3%)	2/90 (2%)	4/89 (4%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	2/35 (6%)	4/35 (11%)
POLY-3 RATE (c)	5/66.97	3/75.34	2/78.73	4/77.77
POLY-3 PERCENT (g)	7.5%	4%	2.5%	5.1%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	248	591	579	597
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.421N	P=0.296N	P=0.160N	P=0.409N
POLY 1.5	P=0.440N	P=0.324N	P=0.183N	P=0.453N
POLY 6	P=0.395N	P=0.253N	P=0.129N	P=0.338N
RAO-SCOTT	P=0.395N	P=0.292N	P=0.164N	P=0.401N
LITTER C-A/FISHERS	P=0.462N	P=0.355N	P=0.214N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose</b>				
Hyperplasia Lymphocyte				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	0/90 (0%)	2/90 (2%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/64.98	0/74.87	2/77.89	0/77.15
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.661	(e)	P=0.281	(e)
POLY 1.5	P=0.630	(e)	P=0.263	(e)
POLY 6	P=0.700N	(e)	P=0.309	(e)
RAO-SCOTT	P=0.660	(e)	P=0.389	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/89 (11%)	12/90 (13%)	13/90 (14%)	10/89 (11%)
LITTERS (b)	8/35 (23%)	10/35 (29%)	11/35 (31%)	7/35 (20%)
POLY-3 RATE (c)	10/67.57	12/76.02	13/79.42	10/78.59
POLY-3 PERCENT (g)	14.8%	15.8%	16.4%	12.7%
TERMINAL (d)	4/25 (16%)	7/45 (16%)	6/50 (12%)	6/60 (10%)
FIRST INCIDENCE	248	576	579	544
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.366N	P=0.527	P=0.487	P=0.451N
POLY 1.5	P=0.434N	P=0.475	P=0.420	P=0.520N
POLY 6	P=0.268N	P=0.570N	P=0.588N	P=0.339N
RAO-SCOTT	P=0.394N	P=0.527	P=0.493	P=0.463N
LITTER C-A/FISHERS	P=0.397N	P=0.393	P=0.296	P=0.500N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	1/90 (1%)	2/90 (2%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/64.98	1/75.20	2/78.51	0/77.15
POLY-3 PERCENT (g)	0%	1.3%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	---	638	527	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.554N	P=0.529	P=0.282	(e)
POLY 1.5	P=0.583N	P=0.517	P=0.264	(e)
POLY 6	P=0.507N	P=0.549	P=0.312	(e)
RAO-SCOTT	P=0.600N	P=0.564	P=0.344	(e)
LITTER C-A/FISHERS	P=0.616N	P=0.500	P=0.246	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Nose: Olfactory Epithelium  
Accumulation, Hyaline Droplet

---

**LESION RATES**

OVERALL (a)	79/89 (89%)	87/90 (97%)	82/90 (91%)	81/89 (91%)
LITTERS (b)	34/35 (97%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	79/86.13	87/89.69	82/88.19	81/88.17
POLY-3 PERCENT (g)	91.7%	97%	93%	91.9%
TERMINAL (d)	19/25 (76%)	44/45 (98%)	46/50 (92%)	56/60 (93%)
FIRST INCIDENCE	294	291	454	247

---

**STATISTICAL TESTS**

POLY 3	P=0.374N	P=0.107	P=0.489	P=0.598
POLY 1.5	P=0.394N	P=0.086	P=0.492	P=0.564
POLY 6	P=0.390N	P=0.116	P=0.460	P=0.598
RAO-SCOTT	P=0.406N	P=0.155	P=0.511	P=0.606
LITTER C-A/FISHERS	P=0.305	P=0.500	P=0.500	P=0.500

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Olfactory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	0/90 (0%)	2/90 (2%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/64.98	0/74.87	2/78.47	0/77.15
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	625	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.661	(e)	P=0.282	(e)
POLY 1.5	P=0.630	(e)	P=0.264	(e)
POLY 6	P=0.700N	(e)	P=0.312	(e)
RAO-SCOTT	P=0.659	(e)	P=0.389	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Olfactory Epithelium Metaplasia Respiratory</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/89 (3%)	6/90 (7%)	7/90 (8%)	2/89 (2%)
LITTERS (b)	3/35 (9%)	5/35 (14%)	7/35 (20%)	2/35 (6%)
POLY-3 RATE (c)	3/66.45	6/74.90	7/78.01	2/77.15
POLY-3 PERCENT (g)	4.5%	8%	9%	2.6%
TERMINAL (d)	1/25 (4%)	5/45 (11%)	3/50 (6%)	2/60 (3%)
FIRST INCIDENCE	294	723	717	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.244N	P=0.307	P=0.236	P=0.433N
POLY 1.5	P=0.288N	P=0.280	P=0.205	P=0.465N
POLY 6	P=0.180N	P=0.358	P=0.290	P=0.380N
RAO-SCOTT	P=0.292N	P=0.322	P=0.256	P=0.437N
LITTER C-A/FISHERS	P=0.380N	P=0.355	P=0.153	P=0.500N

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Nose: Respiratory Epithelium  
Accumulation, Hyaline Droplet

---

**LESION RATES**

OVERALL (a)	3/89 (3%)	2/90 (2%)	1/90 (1%)	1/89 (1%)
LITTERS (b)	3/35 (9%)	2/35 (6%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	3/65.77	2/75.55	1/77.94	1/78.01
POLY-3 PERCENT (g)	4.6%	2.7%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	604	591	717	384

---

**STATISTICAL TESTS**

POLY 3	P=0.178N	P=0.438N	P=0.249N	P=0.249N
POLY 1.5	P=0.187N	P=0.464N	P=0.271N	P=0.274N
POLY 6	P=0.167N	P=0.396N	P=0.219N	P=0.212N
RAO-SCOTT	P=0.190N	P=0.436N	P=0.263N	P=0.264N
LITTER C-A/FISHERS	P=0.197N	P=0.500N	P=0.307N	P=0.307N

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Nose: Respiratory Epithelium  
Atrophy

---

**LESION RATES**

OVERALL (a)	0/89 (0%)	2/90 (2%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/64.98	2/75.25	0/77.89	0/77.15
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	673	---	---

---

**STATISTICAL TESTS**

POLY 3	P=0.352N	P=0.272	(e)	(e)
POLY 1.5	P=0.376N	P=0.257	(e)	(e)
POLY 6	P=0.316N	P=0.298	(e)	(e)
RAO-SCOTT	P=0.470N	P=0.381	(e)	(e)
LITTER C-A/FISHERS	P=0.405N	P=0.246	(e)	(e)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/89 (3%)	11/90 (12%)	14/90 (16%)	11/89 (12%)
LITTERS (b)	3/35 (9%)	10/35 (29%)	11/35 (31%)	10/35 (29%)
POLY-3 RATE (c)	3/64.98	11/76.38	14/79.26	11/77.22
POLY-3 PERCENT (g)	4.6%	14.4%	17.7%	14.3%
TERMINAL (d)	3/25 (12%)	6/45 (13%)	8/50 (16%)	10/60 (17%)
FIRST INCIDENCE	730 (T)	591	579	714
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.126	P=0.048*	P=0.015*	P=0.050*
POLY 1.5	P=0.088	P=0.036*	P=0.009**	P=0.036*
POLY 6	P=0.208	P=0.075	P=0.028*	P=0.084
RAO-SCOTT	P=0.124	P=0.063	P=0.024*	P=0.065
LITTER C-A/FISHERS	P=0.063	P=0.031*	P=0.017*	P=0.031*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	0/90 (0%)	1/90 (1%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/64.98	0/74.87	1/77.89	0/77.15
POLY-3 PERCENT (g)	0%	0%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/88 (0%)	1/86 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/34 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	0/74.79	0/76.49	1/74.69
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Pancreas: Acinus  
Atrophy

---

**LESION RATES**

OVERALL (a)	13/90 (14%)	16/89 (18%)	10/88 (11%)	11/86 (13%)
LITTERS (b)	11/35 (31%)	13/35 (37%)	7/34 (21%)	9/35 (26%)
POLY-3 RATE (c)	13/68.98	16/76.53	10/77.45	11/74.87
POLY-3 PERCENT (g)	18.9%	20.9%	12.9%	14.7%
TERMINAL (d)	2/25 (8%)	8/45 (18%)	6/50 (12%)	9/60 (15%)
FIRST INCIDENCE	580	531	610	694

---

**STATISTICAL TESTS**

POLY 3	P=0.194N	P=0.459	P=0.224N	P=0.328N
POLY 1.5	P=0.235N	P=0.401	P=0.272N	P=0.387N
POLY 6	P=0.141N	P=0.549	P=0.163N	P=0.240N
RAO-SCOTT	P=0.224N	P=0.465	P=0.252N	P=0.348N
LITTER C-A/FISHERS	P=0.227N	P=0.401	P=0.227N	P=0.396N

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Acinus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	63/90 (70%)	58/89 (65%)	44/88 (50%)	32/86 (37%)
LITTERS (b)	31/35 (89%)	31/35 (89%)	29/34 (85%)	20/35 (57%)
POLY-3 RATE (c)	63/79.53	58/79.93	44/78.71	32/75.58
POLY-3 PERCENT (g)	79.2%	72.6%	55.9%	42.3%
TERMINAL (d)	21/25 (84%)	33/45 (73%)	32/50 (64%)	30/60 (50%)
FIRST INCIDENCE	498	576	594	554
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.195N	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.227N	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.152N	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.231N	P=0.003N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.645	P=0.481N	P=0.003N**



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	48/90 (53%)	28/89 (31%)	26/88 (30%)	14/86 (16%)
LITTERS (b)	29/35 (83%)	17/35 (49%)	21/34 (62%)	10/35 (29%)
POLY-3 RATE (c)	48/76.62	28/78.26	26/79.11	14/76.70
POLY-3 PERCENT (g)	62.7%	35.8%	32.9%	18.3%
TERMINAL (d)	14/25 (56%)	12/45 (27%)	12/50 (24%)	9/60 (15%)
FIRST INCIDENCE	496	582	594	554
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.003N**	P=0.045N*	P<0.001N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Artery</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/90 (12%)	3/89 (3%)	3/88 (3%)	1/86 (1%)
LITTERS (b)	10/35 (29%)	2/35 (6%)	3/34 (9%)	1/35 (3%)
POLY-3 RATE (c)	11/69.38	3/75.76	3/76.78	1/75.08
POLY-3 PERCENT (g)	15.9%	4%	3.9%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	563	582	663	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002N**	P=0.015N*	P=0.014N*	P=0.002N**
POLY 1.5	P=0.002N**	P=0.019N*	P=0.018N*	P=0.002N**
POLY 6	P<0.001N**	P=0.010N**	P=0.009N**	P<0.001N**
RAO-SCOTT	P=0.006N**	P=0.036N*	P=0.035N*	P=0.008N**
LITTER C-A/FISHERS	P=0.004N**	P=0.012N*	P=0.035N*	P=0.003N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

**Pancreas: Periductal  
Cholangiofibrosis**

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/89 (0%)	0/88 (0%)	0/86 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/34 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.79	0/76.49	0/74.69
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Parathyroid Gland Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/83 (0%)	0/87 (0%)	0/87 (0%)	0/81 (0%)
LITTERS (b)	0/34 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/61.26	0/72.31	0/74.89	0/70.45
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/47 (0%)	0/56 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	51/83 (61%)	35/87 (40%)	46/87 (53%)	28/81 (35%)
LITTERS (b)	29/34 (85%)	22/35 (63%)	26/35 (74%)	22/35 (63%)
POLY-3 RATE (c)	51/75.36	35/77.56	46/81.06	28/71.72
POLY-3 PERCENT (g)	67.7%	45.1%	56.8%	39%
TERMINAL (d)	9/25 (36%)	13/43 (30%)	20/47 (43%)	21/56 (38%)
FIRST INCIDENCE	496	486	526	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002N**	P=0.003N**	P=0.101N	P<0.001N**
POLY 1.5	P=0.002N**	P=0.003N**	P=0.112N	P<0.001N**
POLY 6	P=0.002N**	P=0.003N**	P=0.094N	P<0.001N**
RAO-SCOTT	P=0.004N**	P=0.007N**	P=0.126N	P<0.001N**
LITTER C-A/FISHERS	P=0.072N	P=0.031N*	P=0.202N	P=0.031N*

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Parathyroid Gland Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/83 (0%)	0/87 (0%)	2/87 (2%)	1/81 (1%)
LITTERS (b)	0/34 (0%)	0/35 (0%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	0/61.26	0/72.31	2/75.15	1/70.45
POLY-3 PERCENT (g)	0%	0%	2.7%	1.4%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	1/47 (2%)	1/56 (2%)
FIRST INCIDENCE	---	---	661	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.283	(e)	P=0.286	P=0.528
POLY 1.5	P=0.261	(e)	P=0.270	P=0.513
POLY 6	P=0.322	(e)	P=0.311	P=0.552
RAO-SCOTT	P=0.327	(e)	P=0.344	P=0.567
LITTER C-A/FISHERS	P=0.249	(e)	P=0.254	P=0.507

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Peripheral Nerve, Sciatic Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	86/90 (96%)	88/90 (98%)	90/90 (100%)	87/90 (97%)
LITTERS (b)	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	86/86.63	88/88.14	90/90.00	87/87.53
POLY-3 PERCENT (g)	99.3%	99.8%	100%	99.4%
TERMINAL (d)	25/25 (100%)	45/45 (100%)	50/50 (100%)	60/60 (100%)
FIRST INCIDENCE	440	320	454	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.856	P=0.833	P=0.759	P=0.924
POLY 1.5	P=0.716	P=0.588	P=0.335	P=0.786
POLY 6	P=0.981	P=0.998	P=0.998	P=0.999
RAO-SCOTT	P=0.715	P=0.705	P=0.665	P=0.789
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Peripheral Nerve, Tibial Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	84/88 (95%)	84/89 (94%)	90/90 (100%)	85/88 (97%)
LITTERS (b)	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	84/84.82	84/84.78	90/90.00	85/85.59
POLY-3 PERCENT (g)	99%	99.1%	100%	99.3%
TERMINAL (d)	25/25 (100%)	44/44 (100%)	50/50 (100%)	59/59 (100%)
FIRST INCIDENCE	440	486	454	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.598	P=0.921	P=0.618	P=0.871
POLY 1.5	P=0.399	P=0.734N	P=0.222	P=0.681
POLY 6	P=0.975	P=1.000	P=1.000	P=1.000
RAO-SCOTT	P=0.547	P=0.766	P=0.559	P=0.732
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Distalis Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/64.89	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Distalis Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/89 (6%)	9/90 (10%)	15/90 (17%)	16/90 (18%)
LITTERS (b)	5/35 (14%)	7/35 (20%)	14/35 (40%)	14/35 (40%)
POLY-3 RATE (c)	5/65.47	9/74.87	15/78.80	16/78.54
POLY-3 PERCENT (g)	7.6%	12%	19%	20.4%
TERMINAL (d)	3/25 (12%)	9/45 (20%)	11/50 (22%)	14/60 (23%)
FIRST INCIDENCE	567	730 (T)	610	397
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.018*	P=0.280	P=0.041*	P=0.026*
POLY 1.5	P=0.011*	P=0.245	P=0.028*	P=0.017*
POLY 6	P=0.035*	P=0.344	P=0.070	P=0.052
RAO-SCOTT	P=0.018*	P=0.268	P=0.042*	P=0.028*
LITTER C-A/FISHERS	P=0.006**	P=0.376	P=0.015*	P=0.015*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/89 (36%)	34/90 (38%)	35/90 (39%)	32/90 (36%)
LITTERS (b)	23/35 (66%)	25/35 (71%)	21/35 (60%)	21/35 (60%)
POLY-3 RATE (c)	32/70.46	34/79.03	35/81.52	32/79.79
POLY-3 PERCENT (g)	45.4%	43%	42.9%	40.1%
TERMINAL (d)	14/25 (56%)	20/45 (44%)	22/50 (44%)	27/60 (45%)
FIRST INCIDENCE	510	518	454	472
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.288N	P=0.447N	P=0.442N	P=0.307N
POLY 1.5	P=0.368N	P=0.546N	P=0.556N	P=0.408N
POLY 6	P=0.189N	P=0.298N	P=0.286N	P=0.176N
RAO-SCOTT	P=0.296N	P=0.445N	P=0.441N	P=0.315N
LITTER C-A/FISHERS	P=0.256N	P=0.399	P=0.402N	P=0.402N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Intermedia Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/89 (7%)	5/90 (6%)	9/90 (10%)	6/90 (7%)
LITTERS (b)	6/35 (17%)	5/35 (14%)	8/35 (23%)	6/35 (17%)
POLY-3 RATE (c)	6/66.38	5/74.99	9/78.51	6/77.77
POLY-3 PERCENT (g)	9%	6.7%	11.5%	7.7%
TERMINAL (d)	0/25 (0%)	3/45 (7%)	7/50 (14%)	5/60 (8%)
FIRST INCIDENCE	552	709	579	702
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.533N	P=0.417N	P=0.420	P=0.506N
POLY 1.5	P=0.537	P=0.451N	P=0.370	P=0.554N
POLY 6	P=0.466N	P=0.362N	P=0.498	P=0.427N
RAO-SCOTT	P=0.526N	P=0.400N	P=0.407	P=0.489N
LITTER C-A/FISHERS	P=0.485	P=0.500N	P=0.383	P=0.624

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Intermedia Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/89 (1%)	1/90 (1%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	1/65.08	1/74.91	2/77.89	2/77.66
POLY-3 PERCENT (g)	1.5%	1.3%	2.6%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	2/60 (3%)
FIRST INCIDENCE	681	720	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.395	P=0.728N	P=0.562	P=0.561
POLY 1.5	P=0.371	P=0.742N	P=0.538	P=0.535
POLY 6	P=0.435	P=0.705N	P=0.598	P=0.603
RAO-SCOTT	P=0.391	P=0.688N	P=0.533	P=0.532
LITTER C-A/FISHERS	P=0.336	P=0.754	P=0.500	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Preputial Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/88 (0%)	1/90 (1%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	3/35 (9%)	0/35 (0%)
POLY-3 RATE (c)	0/64.45	1/74.87	3/78.36	0/77.66
POLY-3 PERCENT (g)	0%	1.3%	3.8%	0%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	730 (T)	677	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.558N	P=0.530	P=0.160	(e)
POLY 1.5	P=0.591N	P=0.518	P=0.144	(e)
POLY 6	P=0.504N	P=0.549	P=0.186	(e)
RAO-SCOTT	P=0.599N	P=0.556	P=0.215	(e)
LITTER C-A/FISHERS	P=0.634	P=0.500	P=0.120	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Preputial Gland  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	46/88 (52%)	48/90 (53%)	54/90 (60%)	52/90 (58%)
LITTERS (b)	30/35 (86%)	32/35 (91%)	28/35 (80%)	29/35 (83%)
POLY-3 RATE (c)	46/76.06	48/81.03	54/83.48	52/86.38
POLY-3 PERCENT (g)	60.5%	59.2%	64.7%	60.2%
TERMINAL (d)	15/25 (60%)	28/45 (62%)	36/50 (72%)	33/60 (55%)
FIRST INCIDENCE	212	425	454	247

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**STATISTICAL TESTS**

POLY 3	P=0.508	P=0.502N	P=0.343	P=0.551N
POLY 1.5	P=0.381	P=0.557N	P=0.280	P=0.452
POLY 6	P=0.388N	P=0.413N	P=0.433	P=0.380N
RAO-SCOTT	P=0.501	P=0.495N	P=0.346	P=0.545N
LITTER C-A/FISHERS	P=0.301N	P=0.355	P=0.376N	P=0.500N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Preputial Gland: Duct Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	51/88 (58%)	53/90 (59%)	49/90 (54%)	51/90 (57%)
LITTERS (b)	32/35 (91%)	31/35 (89%)	31/35 (89%)	31/35 (89%)
POLY-3 RATE (c)	51/74.80	53/79.47	49/81.01	51/80.83
POLY-3 PERCENT (g)	68.2%	66.7%	60.5%	63.1%
TERMINAL (d)	17/25 (68%)	29/45 (64%)	32/50 (64%)	42/60 (70%)
FIRST INCIDENCE	541	582	570	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.242N	P=0.489N	P=0.189N	P=0.300N
POLY 1.5	P=0.306N	P=0.545N	P=0.245N	P=0.378N
POLY 6	P=0.168N	P=0.388N	P=0.134N	P=0.197N
RAO-SCOTT	P=0.248N	P=0.481N	P=0.198N	P=0.303N
LITTER C-A/FISHERS	P=0.445N	P=0.500N	P=0.500N	P=0.500N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Prostate</b>				
<b>Decreased Secretory Fluid</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	4/90 (4%)	6/90 (7%)	6/90 (7%)	2/90 (2%)
<b>LITTERS (b)</b>	4/35 (11%)	6/35 (17%)	5/35 (14%)	2/35 (6%)
<b>POLY-3 RATE (c)</b>	4/66.15	6/75.66	6/78.76	2/77.70
<b>POLY-3 PERCENT (g)</b>	6.1%	7.9%	7.6%	2.6%
<b>TERMINAL (d)</b>	0/25 (0%)	1/45 (2%)	1/50 (2%)	1/60 (2%)
<b>FIRST INCIDENCE</b>	666	656	614	719
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.156N	P=0.457	P=0.483	P=0.269N
<b>POLY 1.5</b>	P=0.187N	P=0.417	P=0.436	P=0.300N
<b>POLY 6</b>	P=0.117N	P=0.523	P=0.556	P=0.222N
<b>RAO-SCOTT</b>	P=0.186N	P=0.449	P=0.475	P=0.273N
<b>LITTER C-A/FISHERS</b>	P=0.203N	P=0.367	P=0.500	P=0.337N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Prostate Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/90 (8%)	3/90 (3%)	6/90 (7%)	4/90 (4%)
LITTERS (b)	7/35 (20%)	3/35 (9%)	6/35 (17%)	3/35 (9%)
POLY-3 RATE (c)	7/67.02	3/75.14	6/78.93	4/78.52
POLY-3 PERCENT (g)	10.4%	4%	7.6%	5.1%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	567	673	505	582
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.259N	P=0.120N	P=0.379N	P=0.184N
POLY 1.5	P=0.285N	P=0.139N	P=0.429N	P=0.220N
POLY 6	P=0.223N	P=0.093N	P=0.309N	P=0.135N
RAO-SCOTT	P=0.249N	P=0.125N	P=0.374N	P=0.188N
LITTER C-A/FISHERS	P=0.191N	P=0.153N	P=0.500N	P=0.153N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Prostate Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/90 (7%)	15/90 (17%)	9/90 (10%)	13/90 (14%)
LITTERS (b)	6/35 (17%)	12/35 (34%)	7/35 (20%)	13/35 (37%)
POLY-3 RATE (c)	6/66.91	15/75.98	9/78.55	13/79.46
POLY-3 PERCENT (g)	9%	19.7%	11.5%	16.4%
TERMINAL (d)	4/25 (16%)	8/45 (18%)	4/50 (8%)	10/60 (17%)
FIRST INCIDENCE	294	649	594	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.301	P=0.055	P=0.414	P=0.140
POLY 1.5	P=0.235	P=0.041*	P=0.360	P=0.104
POLY 6	P=0.418	P=0.090	P=0.503	P=0.220
RAO-SCOTT	P=0.295	P=0.071	P=0.414	P=0.157
LITTER C-A/FISHERS	P=0.089	P=0.085	P=0.500	P=0.053

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Prostate: Epithelium  
Hyperplasia

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**LESION RATES**

OVERALL (a)	5/90 (6%)	13/90 (14%)	11/90 (12%)	11/90 (12%)
LITTERS (b)	5/35 (14%)	10/35 (29%)	11/35 (31%)	10/35 (29%)
POLY-3 RATE (c)	5/66.33	13/76.47	11/80.18	11/79.08
POLY-3 PERCENT (g)	7.5%	17%	13.7%	13.9%
TERMINAL (d)	2/25 (8%)	6/45 (13%)	5/50 (10%)	7/60 (12%)
FIRST INCIDENCE	562	510	454	544

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**STATISTICAL TESTS**

POLY 3	P=0.326	P=0.073	P=0.177	P=0.170
POLY 1.5	P=0.256	P=0.055	P=0.138	P=0.131
POLY 6	P=0.449	P=0.110	P=0.249	P=0.250
RAO-SCOTT	P=0.302	P=0.083	P=0.185	P=0.177
LITTER C-A/FISHERS	P=0.148	P=0.122	P=0.077	P=0.122

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/90 (12%)	7/90 (8%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	11/35 (31%)	7/35 (20%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	11/67.40	7/75.44	3/77.89	1/78.22
POLY-3 PERCENT (g)	16.3%	9.3%	3.9%	1.3%
TERMINAL (d)	4/25 (16%)	5/45 (11%)	3/50 (6%)	0/60 (0%)
FIRST INCIDENCE	595	614	730 (T)	554
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.154N	P=0.011N*	P<0.001N**
POLY 1.5	P<0.001N**	P=0.186N	P=0.015N*	P=0.002N**
POLY 6	P<0.001N**	P=0.112N	P=0.007N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.161N	P=0.015N*	P=0.002N**
LITTER C-A/FISHERS	P<0.001N**	P=0.206N	P=0.017N*	P<0.001N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Salivary Glands: Artery  
Mineral

---

**LESION RATES**

OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/66.19	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	595	---	---	---

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**STATISTICAL TESTS**

POLY 3	P=0.127N	P=0.212N	P=0.204N	P=0.205N
POLY 1.5	P=0.121N	P=0.224N	P=0.218N	P=0.220N
POLY 6	P=0.142N	P=0.194N	P=0.185N	P=0.182N
RAO-SCOTT	P=0.226N	P=0.351N	P=0.347N	P=0.347N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Duct, Parotid Gland Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	3/90 (3%)	1/90 (1%)	4/90 (4%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	1/35 (3%)	4/35 (11%)
POLY-3 RATE (c)	5/66.73	3/75.06	1/77.94	4/78.63
POLY-3 PERCENT (g)	7.5%	4%	1.3%	5.1%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	580	694	717	500
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.406N	P=0.297N	P=0.073N	P=0.400N
POLY 1.5	P=0.420N	P=0.325N	P=0.086N	P=0.445N
POLY 6	P=0.386N	P=0.254N	P=0.058N	P=0.331N
RAO-SCOTT	P=0.375N	P=0.296N	P=0.082N	P=0.395N
LITTER C-A/FISHERS	P=0.441N	P=0.355N	P=0.099N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Parotid Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/90 (20%)	16/90 (18%)	14/90 (16%)	14/90 (16%)
LITTERS (b)	13/35 (37%)	15/35 (43%)	11/35 (31%)	13/35 (37%)
POLY-3 RATE (c)	18/71.39	16/79.30	14/79.71	14/80.94
POLY-3 PERCENT (g)	25.2%	20.2%	17.6%	17.3%
TERMINAL (d)	3/25 (12%)	6/45 (13%)	4/50 (8%)	5/60 (8%)
FIRST INCIDENCE	496	291	505	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.152N	P=0.292N	P=0.169N	P=0.158N
POLY 1.5	P=0.185N	P=0.346N	P=0.209N	P=0.205N
POLY 6	P=0.109N	P=0.219N	P=0.119N	P=0.099N
RAO-SCOTT	P=0.163N	P=0.304N	P=0.187N	P=0.175N
LITTER C-A/FISHERS	P=0.453N	P=0.404	P=0.401N	P=0.598



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Salivary Glands: Parotid Gland  
Inflammation Acute

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**LESION RATES**

OVERALL (a)	2/90 (2%)	7/90 (8%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	7/35 (20%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	2/66.24	7/76.56	3/78.58	1/77.66
POLY-3 PERCENT (g)	3%	9.1%	3.8%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	580	562	649	730 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.116N	P=0.124	P=0.576	P=0.445N
POLY 1.5	P=0.143N	P=0.104	P=0.544	P=0.470N
POLY 6	P=0.082N	P=0.162	P=0.625	P=0.404N
RAO-SCOTT	P=0.156N	P=0.137	P=0.560	P=0.433N
LITTER C-A/FISHERS	P=0.175N	P=0.075	P=0.500	P=0.500N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Salivary Glands: Sublingual Gland Atrophy

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Seminal Vesicle</b>				
<b>Decreased Secretory Fluid</b>				
<b>LESION RATES</b>				
OVERALL (a)	35/90 (39%)	18/89 (20%)	22/89 (25%)	11/90 (12%)
LITTERS (b)	21/35 (60%)	14/35 (40%)	18/34 (53%)	9/35 (26%)
POLY-3 RATE (c)	35/75.39	18/78.11	22/80.73	11/80.13
POLY-3 PERCENT (g)	46.4%	23.1%	27.3%	13.7%
TERMINAL (d)	5/25 (20%)	3/45 (7%)	4/50 (8%)	3/60 (5%)
FIRST INCIDENCE	541	582	594	384
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P=0.008N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.002N**	P=0.014N*	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P=0.004N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.004N**	P=0.017N*	P<0.001N**
LITTER C-A/FISHERS	P=0.007N**	P=0.076N	P=0.364N	P=0.004N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Seminal Vesicle Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	0/89 (0%)	3/89 (3%)	1/90 (1%)
LITTERS (b)	4/35 (11%)	0/35 (0%)	3/34 (9%)	1/35 (3%)
POLY-3 RATE (c)	4/66.08	0/74.67	3/78.01	1/77.88
POLY-3 PERCENT (g)	6.1%	0%	3.9%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	630	---	505	670
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.217N	P=0.049N*	P=0.412N	P=0.136N
POLY 1.5	P=0.223N	P=0.055N	P=0.451N	P=0.156N
POLY 6	P=0.209N	P=0.040N*	P=0.354N	P=0.108N
RAO-SCOTT	P=0.234N	P=0.081N	P=0.432N	P=0.178N
LITTER C-A/FISHERS	P=0.232N	P=0.057N	P=0.517N	P=0.178N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Seminal Vesicle Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	4/89 (4%)	2/89 (2%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	4/35 (11%)	2/34 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/66.16	4/75.08	2/77.74	1/77.66
POLY-3 PERCENT (g)	1.5%	5.3%	2.6%	1.3%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	496	655	594	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.325N	P=0.222	P=0.556	P=0.724N
POLY 1.5	P=0.360N	P=0.201	P=0.530	P=0.741N
POLY 6	P=0.272N	P=0.259	P=0.594	P=0.692N
RAO-SCOTT	P=0.368N	P=0.240	P=0.546	P=0.700N
LITTER C-A/FISHERS	P=0.404N	P=0.178	P=0.489	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skeletal Muscle Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	34/90 (38%)	49/90 (54%)	43/90 (48%)	37/90 (41%)
LITTERS (b)	24/35 (69%)	30/35 (86%)	28/35 (80%)	26/35 (74%)
POLY-3 RATE (c)	34/71.92	49/81.56	43/81.48	37/80.20
POLY-3 PERCENT (g)	47.3%	60.1%	52.8%	46.1%
TERMINAL (d)	5/25 (20%)	21/45 (47%)	23/50 (46%)	26/60 (43%)
FIRST INCIDENCE	541	291	539	544
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.229N	P=0.069	P=0.297	P=0.509N
POLY 1.5	P=0.321N	P=0.038*	P=0.210	P=0.514
POLY 6	P=0.132N	P=0.148	P=0.435	P=0.355N
RAO-SCOTT	P=0.261N	P=0.077	P=0.298	P=0.500N
LITTER C-A/FISHERS	P=0.500	P=0.077	P=0.206	P=0.396

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skeletal Muscle Mineral</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.90	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	641	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.211N	P=0.203N	P=0.204N
POLY 1.5	P=0.121N	P=0.223N	P=0.218N	P=0.219N
POLY 6	P=0.143N	P=0.192N	P=0.183N	P=0.181N
RAO-SCOTT	P=0.229N	P=0.354N	P=0.351N	P=0.351N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin</b>				
<b>Cyst Epithelial Inclusion</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	6/90 (7%)	8/90 (9%)	10/90 (11%)
LITTERS (b)	3/35 (9%)	5/35 (14%)	7/35 (20%)	9/35 (26%)
POLY-3 RATE (c)	3/66.33	6/74.92	8/79.41	10/77.66
POLY-3 PERCENT (g)	4.5%	8%	10.1%	12.9%
TERMINAL (d)	1/25 (4%)	5/45 (11%)	3/50 (6%)	10/60 (17%)
FIRST INCIDENCE	580	718	614	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.057	P=0.309	P=0.172	P=0.073
POLY 1.5	P=0.044*	P=0.279	P=0.141	P=0.056
POLY 6	P=0.086	P=0.360	P=0.230	P=0.110
RAO-SCOTT	P=0.067	P=0.310	P=0.183	P=0.085
LITTER C-A/FISHERS	P=0.034*	P=0.355	P=0.153	P=0.055



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin</b>				
<b>Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	1/74.87	2/77.89	0/77.66
POLY-3 PERCENT (g)	0%	1.3%	2.6%	0%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.553N	P=0.527	P=0.279	(e)
POLY 1.5	P=0.582N	P=0.514	P=0.261	(e)
POLY 6	P=0.506N	P=0.547	P=0.308	(e)
RAO-SCOTT	P=0.597N	P=0.556	P=0.336	(e)
LITTER C-A/FISHERS	P=0.616N	P=0.500	P=0.246	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/90 (1%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	1/65.47	1/75.53	3/77.89	1/77.66
POLY-3 PERCENT (g)	1.5%	1.3%	3.9%	1.3%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	3/50 (6%)	1/60 (2%)
FIRST INCIDENCE	730 (T)	510	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.608N	P=0.728N	P=0.371	P=0.721N
POLY 1.5	P=0.593	P=0.743N	P=0.343	P=0.740N
POLY 6	P=0.568N	P=0.702N	P=0.415	P=0.688N
RAO-SCOTT	P=0.601	P=0.695N	P=0.367	P=0.691N
LITTER C-A/FISHERS	P=0.556	P=0.754	P=0.307	P=0.754

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin</b>				
<b>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	3/90 (3%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	2/66.03	3/75.53	2/77.89	0/77.66
POLY-3 PERCENT (g)	3%	4%	2.6%	0%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	555	510	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.103N	P=0.560	P=0.632N	P=0.204N
POLY 1.5	P=0.117N	P=0.533	P=0.658N	P=0.220N
POLY 6	P=0.084N	P=0.605	P=0.590N	P=0.181N
RAO-SCOTT	P=0.137N	P=0.550	P=0.617N	P=0.225N
LITTER C-A/FISHERS	P=0.133N	P=0.500	P=0.693	P=0.246N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin: Epidermis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/65.47	2/74.87	2/77.89	1/77.66
POLY-3 PERCENT (g)	1.5%	2.7%	2.6%	1.3%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.493N	P=0.546	P=0.560	P=0.721N
POLY 1.5	P=0.521N	P=0.525	P=0.535	P=0.740N
POLY 6	P=0.450N	P=0.581	P=0.598	P=0.688N
RAO-SCOTT	P=0.499N	P=0.515	P=0.531	P=0.684N
LITTER C-A/FISHERS	P=0.556N	P=0.500	P=0.500	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin: Subcutaneous Tissue</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	1/65.47	2/75.34	1/77.89	2/77.82
POLY-3 PERCENT (g)	1.5%	2.7%	1.3%	2.6%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	730 (T)	638	730 (T)	688
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.507	P=0.549	P=0.720N	P=0.560
POLY 1.5	P=0.479	P=0.526	P=0.738N	P=0.532
POLY 6	P=0.550	P=0.585	P=0.692N	P=0.604
RAO-SCOTT	P=0.495	P=0.518	P=0.684N	P=0.531
LITTER C-A/FISHERS	P=0.444	P=0.500	P=0.754	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Cervical Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	30/90 (33%)	38/90 (42%)	41/90 (46%)	32/90 (36%)
LITTERS (b)	21/35 (60%)	27/35 (77%)	27/35 (77%)	24/35 (69%)
POLY-3 RATE (c)	30/71.34	38/76.73	41/79.67	32/78.93
POLY-3 PERCENT (g)	42.1%	49.5%	51.5%	40.5%
TERMINAL (d)	12/25 (48%)	27/45 (60%)	30/50 (60%)	28/60 (47%)
FIRST INCIDENCE	552	531	594	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.335N	P=0.219	P=0.151	P=0.491N
POLY 1.5	P=0.436N	P=0.179	P=0.109	P=0.549
POLY 6	P=0.196N	P=0.298	P=0.234	P=0.344N
RAO-SCOTT	P=0.358N	P=0.225	P=0.160	P=0.483N
LITTER C-A/FISHERS	P=0.365	P=0.099	P=0.099	P=0.309

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Lumbar Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/90 (23%)	10/90 (11%)	17/90 (19%)	12/90 (13%)
LITTERS (b)	15/35 (43%)	9/35 (26%)	16/35 (46%)	12/35 (34%)
POLY-3 RATE (c)	21/68.62	10/76.28	17/79.50	12/78.72
POLY-3 PERCENT (g)	30.6%	13.1%	21.4%	15.2%
TERMINAL (d)	8/25 (32%)	5/45 (11%)	9/50 (18%)	7/60 (12%)
FIRST INCIDENCE	604	614	625	597
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.069N	P=0.008N**	P=0.135N	P=0.019N*
POLY 1.5	P=0.090N	P=0.013N*	P=0.191N	P=0.033N*
POLY 6	P=0.046N*	P=0.003N**	P=0.075N	P=0.008N**
RAO-SCOTT	P=0.072N	P=0.013N*	P=0.150N	P=0.028N*
LITTER C-A/FISHERS	P=0.453N	P=0.104N	P=0.500	P=0.312N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Lumbar: Nerve Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	79/90 (88%)	82/90 (91%)	87/90 (97%)	81/90 (90%)
LITTERS (b)	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	79/83.64	82/84.42	87/88.18	81/84.85
POLY-3 PERCENT (g)	94.5%	97.1%	98.7%	95.5%
TERMINAL (d)	25/25 (100%)	45/45 (100%)	50/50 (100%)	58/60 (97%)
FIRST INCIDENCE	248	510	454	397
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.491	P=0.261	P=0.069	P=0.525
POLY 1.5	P=0.410	P=0.264	P=0.047*	P=0.457
POLY 6	P=0.583N	P=0.335	P=0.132	P=0.681
RAO-SCOTT	P=0.487	P=0.306	P=0.131	P=0.511
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Thoracic Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	58/90 (64%)	68/90 (76%)	72/90 (80%)	69/90 (77%)
LITTERS (b)	31/35 (89%)	33/35 (94%)	33/35 (94%)	32/35 (91%)
POLY-3 RATE (c)	58/74.55	68/79.53	72/81.96	69/78.97
POLY-3 PERCENT (g)	77.8%	85.5%	87.9%	87.4%
TERMINAL (d)	25/25 (100%)	45/45 (100%)	50/50 (100%)	59/60 (98%)
FIRST INCIDENCE	555	531	570	638
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.052	P=0.110	P=0.039*	P=0.049*
POLY 1.5	P=0.052	P=0.084	P=0.027*	P=0.048*
POLY 6	P=0.067	P=0.206	P=0.081	P=0.071
RAO-SCOTT	P=0.087	P=0.152	P=0.074	P=0.089
LITTER C-A/FISHERS	P=0.479	P=0.337	P=0.337	P=0.500

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Spleen				
Congestion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/89 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.52	1/77.66
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	---	---	730 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen</b>				
<b>Extramedullary Hematopoiesis</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	45/90 (50%)	58/90 (64%)	56/89 (63%)	64/90 (71%)
<b>LITTERS (b)</b>	27/35 (77%)	31/35 (89%)	29/35 (83%)	32/35 (91%)
<b>POLY-3 RATE (c)</b>	45/72.79	58/83.72	56/82.32	64/82.12
<b>POLY-3 PERCENT (g)</b>	61.8%	69.3%	68%	77.9%
<b>TERMINAL (d)</b>	23/25 (92%)	35/45 (78%)	42/50 (84%)	52/60 (87%)
<b>FIRST INCIDENCE</b>	294	291	454	443
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.017*	P=0.192	P=0.246	P=0.013*
<b>POLY 1.5</b>	P=0.009**	P=0.095	P=0.137	P=0.005**
<b>POLY 6</b>	P=0.047*	P=0.452	P=0.498	P=0.057
<b>RAO-SCOTT</b>	P=0.029*	P=0.220	P=0.271	P=0.028*
<b>LITTER C-A/FISHERS</b>	P=0.107	P=0.171	P=0.383	P=0.094

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Spleen Hemorrhage				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/89 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	2/77.52	0/77.66
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.660	(e)	P=0.278	(e)
POLY 1.5	P=0.629	(e)	P=0.259	(e)
POLY 6	P=0.700N	(e)	P=0.307	(e)
RAO-SCOTT	P=0.658	(e)	P=0.383	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/89 (1%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	0/74.87	1/77.77	2/77.88
POLY-3 PERCENT (g)	0%	0%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	---	663	670
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.086	(e)	P=0.534	P=0.279
POLY 1.5	P=0.079	(e)	P=0.519	P=0.259
POLY 6	P=0.099	(e)	P=0.557	P=0.313
RAO-SCOTT	P=0.138	(e)	P=0.567	P=0.333
LITTER C-A/FISHERS	P=0.069	(e)	P=0.500	P=0.246

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen</b>				
Hyperplasia Lymphocyte				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	2/90 (2%)	2/89 (2%)	0/90 (0%)
LITTERS (b)	5/35 (14%)	2/35 (6%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	5/65.47	2/74.93	2/77.98	0/77.66
POLY-3 PERCENT (g)	7.6%	2.7%	2.6%	0%
TERMINAL (d)	5/25 (20%)	1/45 (2%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	730 (T)	715	594	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.018N*	P=0.169N	P=0.156N	P=0.021N*
POLY 1.5	P=0.020N*	P=0.192N	P=0.183N	P=0.026N*
POLY 6	P=0.016N*	P=0.135N	P=0.120N	P=0.015N*
RAO-SCOTT	P=0.030N*	P=0.200N	P=0.189N	P=0.039N*
LITTER C-A/FISHERS	P=0.021N*	P=0.214N	P=0.214N	P=0.027N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen Pigment</b>				
<b>LESION RATES</b>				
OVERALL (a)	57/90 (63%)	62/90 (69%)	74/89 (83%)	74/90 (82%)
LITTERS (b)	32/35 (91%)	31/35 (89%)	34/35 (97%)	35/35 (100%)
POLY-3 RATE (c)	57/79.60	62/85.15	74/85.28	74/86.09
POLY-3 PERCENT (g)	71.6%	72.8%	86.8%	86%
TERMINAL (d)	19/25 (76%)	30/45 (67%)	44/50 (88%)	53/60 (88%)
FIRST INCIDENCE	294	291	454	384
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	P=0.501	P=0.007**	P=0.012*
POLY 1.5	P=0.002**	P=0.400	P=0.005**	P=0.006**
POLY 6	P=0.008**	P=0.506N	P=0.015*	P=0.036*
RAO-SCOTT	P=0.007**	P=0.502	P=0.018*	P=0.025*
LITTER C-A/FISHERS	P=0.042*	P=0.500N	P=0.307	P=0.120

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	4/89 (4%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	4/35 (11%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	1/74.90	4/77.98	1/77.66
POLY-3 PERCENT (g)	0%	1.3%	5.1%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	3/50 (6%)	1/60 (2%)
FIRST INCIDENCE	---	723	594	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.427	P=0.527	P=0.089	P=0.534
POLY 1.5	P=0.385	P=0.514	P=0.076	P=0.518
POLY 6	P=0.500	P=0.547	P=0.112	P=0.559
RAO-SCOTT	P=0.419	P=0.541	P=0.130	P=0.552
LITTER C-A/FISHERS	P=0.336	P=0.500	P=0.057	P=0.500



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen: Red Pulp Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	26/90 (29%)	10/90 (11%)	10/89 (11%)	3/90 (3%)
LITTERS (b)	20/35 (57%)	10/35 (29%)	9/35 (26%)	3/35 (9%)
POLY-3 RATE (c)	26/72.87	10/76.02	10/78.37	3/78.74
POLY-3 PERCENT (g)	35.7%	13.2%	12.8%	3.8%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	3/50 (6%)	0/60 (0%)
FIRST INCIDENCE	555	636	649	544
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.002N**	P=0.002N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.014N*	P=0.007N**	P<0.001N**

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen: Red Pulp Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.87	0/77.52	0/77.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen: White Pulp Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	30/90 (33%)	16/90 (18%)	13/89 (15%)	11/90 (12%)
LITTERS (b)	19/35 (54%)	14/35 (40%)	12/35 (34%)	8/35 (23%)
POLY-3 RATE (c)	30/74.18	16/80.03	13/79.91	11/82.09
POLY-3 PERCENT (g)	40.5%	20%	16.3%	13.4%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	498	291	505	247
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.004N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.006N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.010N**	P=0.002N**	P<0.001N**
LITTER C-A/FISHERS	P=0.005N**	P=0.169N	P=0.074N	P=0.007N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Edema</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	11/90 (12%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	5/35 (14%)	11/35 (31%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	5/66.73	11/77.52	3/78.96	2/78.29
POLY-3 PERCENT (g)	7.5%	14.2%	3.8%	2.6%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	541	291	594	544
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.024N*	P=0.156	P=0.272N	P=0.161N
POLY 1.5	P=0.033N*	P=0.126	P=0.307N	P=0.187N
POLY 6	P=0.014N*	P=0.214	P=0.224N	P=0.125N
RAO-SCOTT	P=0.036N*	P=0.159	P=0.266N	P=0.160N
LITTER C-A/FISHERS	P=0.043N*	P=0.077	P=0.355N	P=0.214N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	1/74.97	1/78.09	0/77.66
POLY-3 PERCENT (g)	0%	1.3%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	703	677	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/90 (8%)	14/90 (16%)	5/90 (6%)	6/90 (7%)
LITTERS (b)	7/35 (20%)	12/35 (34%)	5/35 (14%)	6/35 (17%)
POLY-3 RATE (c)	7/67.57	14/78.24	5/79.23	6/78.64
POLY-3 PERCENT (g)	10.4%	17.9%	6.3%	7.6%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	541	291	501	500
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.111N	P=0.145	P=0.278N	P=0.388N
POLY 1.5	P=0.141N	P=0.113	P=0.320N	P=0.438N
POLY 6	P=0.074N	P=0.206	P=0.223N	P=0.310N
RAO-SCOTT	P=0.140N	P=0.158	P=0.284N	P=0.387N
LITTER C-A/FISHERS	P=0.222N	P=0.141	P=0.376N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/90 (7%)	8/90 (9%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	6/35 (17%)	7/35 (20%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	6/67.48	8/77.30	3/79.22	2/77.84
POLY-3 PERCENT (g)	8.9%	10.4%	3.8%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	510	291	537	694
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.031N*	P=0.494	P=0.175N	P=0.096N
POLY 1.5	P=0.039N*	P=0.448	P=0.203N	P=0.114N
POLY 6	P=0.023N*	P=0.566	P=0.138N	P=0.072N
RAO-SCOTT	P=0.050N*	P=0.494	P=0.200N	P=0.121N
LITTER C-A/FISHERS	P=0.052N	P=0.500	P=0.239N	P=0.130N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	4/90 (4%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	4/74.87	3/78.52	0/77.66
POLY-3 PERCENT (g)	0%	5.3%	3.8%	0%
TERMINAL (d)	0/25 (0%)	4/45 (9%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	---	730 (T)	526	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.272N	P=0.082	P=0.157	(e)
POLY 1.5	P=0.316N	P=0.073	P=0.141	(e)
POLY 6	P=0.207N	P=0.100	P=0.184	(e)
RAO-SCOTT	P=0.421N	P=0.215	P=0.316	(e)
LITTER C-A/FISHERS	P=0.409N	P=0.120	P=0.246	(e)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/90 (12%)	21/90 (23%)	12/90 (13%)	11/90 (12%)
LITTERS (b)	10/35 (29%)	15/35 (43%)	11/35 (31%)	11/35 (31%)
POLY-3 RATE (c)	11/68.12	21/78.46	12/80.08	11/79.79
POLY-3 PERCENT (g)	16.2%	26.8%	15%	13.8%
TERMINAL (d)	1/25 (4%)	7/45 (16%)	3/50 (6%)	3/60 (5%)
FIRST INCIDENCE	541	291	501	500
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.133N	P=0.086	P=0.513N	P=0.433N
POLY 1.5	P=0.184N	P=0.061	P=0.581N	P=0.504N
POLY 6	P=0.076N	P=0.139	P=0.413N	P=0.324N
RAO-SCOTT	P=0.169N	P=0.100	P=0.506N	P=0.430N
LITTER C-A/FISHERS	P=0.488N	P=0.159	P=0.500	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Glandular Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/86 (3%)	0/88 (0%)	2/87 (2%)	1/86 (1%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	2/34 (6%)	1/35 (3%)
POLY-3 RATE (c)	3/65.34	0/73.61	2/75.98	1/74.95
POLY-3 PERCENT (g)	4.6%	0%	2.6%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	541	---	677	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.326N	P=0.101N	P=0.432N	P=0.260N
POLY 1.5	P=0.332N	P=0.109N	P=0.460N	P=0.282N
POLY 6	P=0.319N	P=0.089N	P=0.390N	P=0.224N
RAO-SCOTT	P=0.338N	P=0.141N	P=0.453N	P=0.299N
LITTER C-A/FISHERS	P=0.338N	P=0.120N	P=0.514N	P=0.307N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/86 (1%)	3/88 (3%)	0/87 (0%)	0/86 (0%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	0/34 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/64.24	3/73.95	0/75.57	0/74.56
POLY-3 PERCENT (g)	1.6%	4.1%	0%	0%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	659	636	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.125N	P=0.358	P=0.468N	P=0.470N
POLY 1.5	P=0.138N	P=0.337	P=0.481N	P=0.485N
POLY 6	P=0.107N	P=0.396	P=0.447N	P=0.446N
RAO-SCOTT	P=0.198N	P=0.406	P=0.530N	P=0.532N
LITTER C-A/FISHERS	P=0.153N	P=0.307	P=0.507N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Glandular Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	31/86 (36%)	7/88 (8%)	8/87 (9%)	4/86 (5%)
LITTERS (b)	21/35 (60%)	6/35 (17%)	8/34 (24%)	3/35 (9%)
POLY-3 RATE (c)	31/74.81	7/75.25	8/76.44	4/75.68
POLY-3 PERCENT (g)	41.4%	9.3%	10.5%	5.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	496	582	649	595
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P<0.001N**	P=0.002N**	P<0.001N**

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Stomach, Glandular: Artery  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	3/86 (3%)	2/88 (2%)	2/87 (2%)	1/86 (1%)
LITTERS (b)	3/35 (9%)	2/35 (6%)	2/34 (6%)	1/35 (3%)
POLY-3 RATE (c)	3/64.41	2/74.01	2/76.56	1/75.13
POLY-3 PERCENT (g)	4.7%	2.7%	2.6%	1.3%
TERMINAL (d)	2/25 (8%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	604	670	526	554

---

**STATISTICAL TESTS**

POLY 3	P=0.204N	P=0.438N	P=0.423N	P=0.254N
POLY 1.5	P=0.218N	P=0.463N	P=0.454N	P=0.279N
POLY 6	P=0.185N	P=0.394N	P=0.375N	P=0.216N
RAO-SCOTT	P=0.208N	P=0.425N	P=0.414N	P=0.254N
LITTER C-A/FISHERS	P=0.232N	P=0.500N	P=0.514N	P=0.307N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Testis Edema				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	2/75.31	3/77.89	2/77.66
POLY-3 PERCENT (g)	0%	2.7%	3.9%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	3/50 (6%)	2/60 (3%)
FIRST INCIDENCE	---	599	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.316	P=0.270	P=0.155	P=0.278
POLY 1.5	P=0.279	P=0.255	P=0.140	P=0.259
POLY 6	P=0.379	P=0.297	P=0.181	P=0.312
RAO-SCOTT	P=0.299	P=0.264	P=0.162	P=0.273
LITTER C-A/FISHERS	P=0.235	P=0.246	P=0.120	P=0.246

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Testis</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.64	0/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	3.1%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	687	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.129N	P=0.210N	P=0.203N	P=0.203N
POLY 1.5	P=0.121N	P=0.223N	P=0.217N	P=0.219N
POLY 6	P=0.145N	P=0.191N	P=0.182N	P=0.180N
RAO-SCOTT	P=0.237N	P=0.363N	P=0.360N	P=0.360N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Testis: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	52/90 (58%)	40/90 (44%)	37/90 (41%)	20/90 (22%)
LITTERS (b)	30/35 (86%)	22/35 (63%)	24/35 (69%)	16/35 (46%)
POLY-3 RATE (c)	52/76.11	40/78.51	37/81.18	20/79.69
POLY-3 PERCENT (g)	68.3%	51%	45.6%	25.1%
TERMINAL (d)	15/25 (60%)	21/45 (47%)	21/50 (42%)	13/60 (22%)
FIRST INCIDENCE	496	582	526	554
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.015N*	P=0.002N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.025N*	P=0.005N**	P<0.001N**
POLY 6	P<0.001N**	P=0.007N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.034N*	P=0.007N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.027N*	P=0.077N	P<0.001N**



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Testis: Germ Cell Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	51/90 (57%)	35/90 (39%)	42/90 (47%)	20/90 (22%)
LITTERS (b)	30/35 (86%)	20/35 (57%)	30/35 (86%)	15/35 (43%)
POLY-3 RATE (c)	51/80.13	35/79.84	42/82.28	20/82.24
POLY-3 PERCENT (g)	63.6%	43.8%	51.1%	24.3%
TERMINAL (d)	8/25 (32%)	15/45 (33%)	21/50 (42%)	9/60 (15%)
FIRST INCIDENCE	496	486	527	247
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.007N**	P=0.065N	P<0.001N**
POLY 1.5	P<0.001N**	P=0.008N**	P=0.076N	P<0.001N**
POLY 6	P<0.001N**	P=0.006N**	P=0.056N	P<0.001N**
RAO-SCOTT	P<0.001N**	P=0.013N*	P=0.084N	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P=0.008N**	P=0.633	P<0.001N**

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Testis: Interstitial Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	0/90 (0%)	4/90 (4%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	0/35 (0%)	4/35 (11%)
POLY-3 RATE (c)	1/65.79	2/74.93	0/77.89	4/77.66
POLY-3 PERCENT (g)	1.5%	2.7%	0%	5.2%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	4/60 (7%)
FIRST INCIDENCE	642	715	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.132	P=0.545	P=0.467N	P=0.236
POLY 1.5	P=0.122	P=0.524	P=0.481N	P=0.210
POLY 6	P=0.149	P=0.579	P=0.445N	P=0.283
RAO-SCOTT	P=0.173	P=0.539	P=0.474N	P=0.262
LITTER C-A/FISHERS	P=0.106	P=0.500	P=0.500N	P=0.178

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	79/88 (90%)	71/86 (83%)	75/88 (85%)	78/86 (91%)
LITTERS (b)	35/35 (100%)	33/35 (94%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	79/85.04	71/82.88	75/85.34	78/84.50
POLY-3 PERCENT (g)	92.9%	85.7%	87.9%	92.3%
TERMINAL (d)	19/24 (79%)	34/44 (77%)	40/48 (83%)	53/58 (91%)
FIRST INCIDENCE	248	291	501	247
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.432	P=0.094N	P=0.189N	P=0.561N
POLY 1.5	P=0.414	P=0.092N	P=0.180N	P=0.574N
POLY 6	P=0.426	P=0.106N	P=0.217N	P=0.577N
RAO-SCOTT	P=0.448	P=0.128N	P=0.227N	P=0.570N
LITTER C-A/FISHERS	P=0.405	P=0.246N	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus Cyst				
<b>LESION RATES</b>				
OVERALL (a)	10/88 (11%)	10/86 (12%)	9/88 (10%)	10/86 (12%)
LITTERS (b)	9/35 (26%)	9/35 (26%)	8/35 (23%)	9/35 (26%)
POLY-3 RATE (c)	10/65.49	10/71.96	9/76.77	10/74.46
POLY-3 PERCENT (g)	15.3%	13.9%	11.7%	13.4%
TERMINAL (d)	5/24 (21%)	6/44 (14%)	7/48 (15%)	9/58 (16%)
FIRST INCIDENCE	565	656	454	719
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.432N	P=0.506N	P=0.355N	P=0.473N
POLY 1.5	P=0.482N	P=0.557N	P=0.413N	P=0.539N
POLY 6	P=0.359N	P=0.420N	P=0.275N	P=0.367N
RAO-SCOTT	P=0.419N	P=0.489N	P=0.344N	P=0.458N
LITTER C-A/FISHERS	P=0.539N	P=0.607	P=0.500N	P=0.607

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thymus</b>				
<b>Ectopic Parathyroid Gland</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	6/88 (7%)	1/86 (1%)	2/88 (2%)	3/86 (3%)
<b>LITTERS (b)</b>	6/35 (17%)	1/35 (3%)	2/35 (6%)	3/35 (9%)
<b>POLY-3 RATE (c)</b>	6/64.67	1/71.45	2/75.89	3/74.41
<b>POLY-3 PERCENT (g)</b>	9.3%	1.4%	2.6%	4%
<b>TERMINAL (d)</b>	2/24 (8%)	1/44 (2%)	2/48 (4%)	3/58 (5%)
<b>FIRST INCIDENCE</b>	629	730 (T)	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.265N	P=0.044N*	P=0.092N	P=0.182N
<b>POLY 1.5</b>	P=0.270N	P=0.053N	P=0.110N	P=0.215N
<b>POLY 6</b>	P=0.260N	P=0.033N*	P=0.070N	P=0.137N
<b>RAO-SCOTT</b>	P=0.244N	P=0.058N	P=0.109N	P=0.198N
<b>LITTER C-A/FISHERS</b>	P=0.270N	P=0.053N	P=0.130N	P=0.239N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Thymus				
Ectopic Thyroid				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/88 (1%)	4/86 (5%)	0/88 (0%)	2/86 (2%)
LITTERS (b)	1/35 (3%)	4/35 (11%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	1/63.79	4/71.45	0/75.89	2/74.41
POLY-3 PERCENT (g)	1.6%	5.6%	0%	2.7%
TERMINAL (d)	0/24 (0%)	4/44 (9%)	0/48 (0%)	2/58 (3%)
FIRST INCIDENCE	711	730 (T)	---	730 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.515N	P=0.217	P=0.466N	P=0.553
POLY 1.5	P=0.545N	P=0.197	P=0.480N	P=0.525
POLY 6	P=0.470N	P=0.254	P=0.444N	P=0.598
RAO-SCOTT	P=0.531N	P=0.243	P=0.471N	P=0.549
LITTER C-A/FISHERS	P=0.578N	P=0.178	P=0.500N	P=0.500

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	2/88 (2%)	2/86 (2%)	2/88 (2%)	2/86 (2%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	2/65.27	2/72.36	2/76.87	2/75.33
POLY-3 PERCENT (g)	3.1%	2.8%	2.6%	2.7%
TERMINAL (d)	0/24 (0%)	0/44 (0%)	0/48 (0%)	0/58 (0%)
FIRST INCIDENCE	294	425	505	544
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.551N	P=0.656N	P=0.633N	P=0.640N
POLY 1.5	P=0.574N	P=0.678N	P=0.659N	P=0.670N
POLY 6	P=0.516N	P=0.617N	P=0.590N	P=0.589N
RAO-SCOTT	P=0.533N	P=0.619N	P=0.598N	P=0.606N
LITTER C-A/FISHERS	P=0.597	P=0.693	P=0.693	P=0.693

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thymus Hyperplasia Epithelial</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/88 (2%)	4/86 (5%)	2/88 (2%)	2/86 (2%)
LITTERS (b)	2/35 (6%)	4/35 (11%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	2/63.81	4/71.53	2/75.94	2/74.47
POLY-3 PERCENT (g)	3.1%	5.6%	2.6%	2.7%
TERMINAL (d)	0/24 (0%)	3/44 (7%)	1/48 (2%)	1/58 (2%)
FIRST INCIDENCE	715	709	718	716
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.385N	P=0.392	P=0.629N	P=0.636N
POLY 1.5	P=0.419N	P=0.362	P=0.656N	P=0.667N
POLY 6	P=0.334N	P=0.444	P=0.585N	P=0.584N
RAO-SCOTT	P=0.396N	P=0.377	P=0.600N	P=0.608N
LITTER C-A/FISHERS	P=0.456N	P=0.337	P=0.693	P=0.693



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus				
Thrombus				
<b>LESION RATES</b>				
OVERALL (a)	0/88 (0%)	0/86 (0%)	2/88 (2%)	0/86 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/63.71	0/71.45	2/76.35	0/74.41
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/24 (0%)	0/44 (0%)	1/48 (2%)	0/58 (0%)
FIRST INCIDENCE	---	---	594	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.661	(e)	P=0.281	(e)
POLY 1.5	P=0.629	(e)	P=0.262	(e)
POLY 6	P=0.701N	(e)	P=0.311	(e)
RAO-SCOTT	P=0.659	(e)	P=0.388	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thymus: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/88 (7%)	3/86 (3%)	2/88 (2%)	1/86 (1%)
LITTERS (b)	4/35 (11%)	3/35 (9%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	6/65.19	3/71.61	2/76.01	1/74.41
POLY-3 PERCENT (g)	9.2%	4.2%	2.6%	1.3%
TERMINAL (d)	1/24 (4%)	2/44 (5%)	1/48 (2%)	1/58 (2%)
FIRST INCIDENCE	584	687	699	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.030N*	P=0.201N	P=0.093N	P=0.041N*
POLY 1.5	P=0.033N*	P=0.227N	P=0.111N	P=0.050N*
POLY 6	P=0.026N*	P=0.164N	P=0.072N	P=0.029N*
RAO-SCOTT	P=0.066N	P=0.273N	P=0.163N	P=0.095N
LITTER C-A/FISHERS	P=0.111N	P=0.500N	P=0.337N	P=0.178N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Thyroid Gland: C-Cell  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	16/89 (18%)	24/89 (27%)	18/89 (20%)	14/87 (16%)
LITTERS (b)	12/35 (34%)	18/35 (51%)	15/34 (44%)	10/35 (29%)
POLY-3 RATE (c)	16/68.70	24/76.22	18/78.00	14/76.10
POLY-3 PERCENT (g)	23.3%	31.5%	23.1%	18.4%
TERMINAL (d)	7/25 (28%)	19/45 (42%)	14/50 (28%)	12/60 (20%)
FIRST INCIDENCE	440	486	636	670

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**STATISTICAL TESTS**

POLY 3	P=0.117N	P=0.176	P=0.566N	P=0.300N
POLY 1.5	P=0.167N	P=0.136	P=0.516	P=0.371N
POLY 6	P=0.059N	P=0.260	P=0.449N	P=0.194N
RAO-SCOTT	P=0.150N	P=0.196	P=0.558N	P=0.313N
LITTER C-A/FISHERS	P=0.202N	P=0.113	P=0.278	P=0.399N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Thyroid Gland: Follicle  
Cyst

---

**LESION RATES**

OVERALL (a)	0/89 (0%)	1/89 (1%)	1/89 (1%)	1/87 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	1/34 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/65.45	1/74.48	1/77.63	1/75.76
POLY-3 PERCENT (g)	0%	1.3%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	730 (T)	614	730 (T)

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Tissue NOS: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/3 (67%)	0/4 (0%)	2/4 (50%)	3/5 (60%)
LITTERS (b)	2/3 (67%)	0/4 (0%)	2/4 (50%)	3/5 (60%)
POLY-3 RATE (c)	2/2.76	0/2.81	2/3.94	3/5.00
POLY-3 PERCENT (g)	72.5%	0%	50.7%	60%
TERMINAL (d)	1/1 (100%)	0/1 (0%)	2/3 (67%)	3/5 (60%)
FIRST INCIDENCE	582	---	730 (T)	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.527	P=0.129N	P=0.582N	P=0.649N
POLY 1.5	P=0.454	P=0.109N	P=0.597N	P=0.669N
POLY 6	P=0.631	P=0.169N	P=0.556N	P=0.613N
RAO-SCOTT	P=0.492	P=0.177N	P=0.607N	P=0.678N
LITTER C-A/FISHERS	P=0.368	P=0.143N	P=0.629N	P=0.714N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Trigeminal Ganglion Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	23/75 (31%)	25/73 (34%)	22/77 (29%)	15/77 (19%)
LITTERS (b)	19/34 (56%)	21/35 (60%)	18/34 (53%)	12/33 (36%)
POLY-3 RATE (c)	23/58.42	25/62.66	22/67.19	15/66.82
POLY-3 PERCENT (g)	39.4%	39.9%	32.7%	22.5%
TERMINAL (d)	11/21 (52%)	18/37 (49%)	15/41 (37%)	14/51 (28%)
FIRST INCIDENCE	541	486	539	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.011N*	P=0.552	P=0.275N	P=0.028N*
POLY 1.5	P=0.019N*	P=0.469	P=0.347N	P=0.046N*
POLY 6	P=0.004N**	P=0.464N	P=0.180N	P=0.011N*
RAO-SCOTT	P=0.014N*	P=0.539	P=0.274N	P=0.032N*
LITTER C-A/FISHERS	P=0.040N*	P=0.459	P=0.500N	P=0.087N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Urinary Bladder Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/89 (2%)	0/89 (0%)	0/86 (0%)	0/85 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.18	0/74.48	0/75.01	0/74.55
POLY-3 PERCENT (g)	3.1%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	691	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.133N	P=0.210N	P=0.209N	P=0.210N
POLY 1.5	P=0.126N	P=0.223N	P=0.224N	P=0.227N
POLY 6	P=0.150N	P=0.191N	P=0.187N	P=0.184N
RAO-SCOTT	P=0.236N	P=0.354N	P=0.358N	P=0.360N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Urinary Bladder Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/89 (2%)	0/89 (0%)	0/86 (0%)	0/85 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.18	0/74.48	0/75.01	0/74.55
POLY-3 PERCENT (g)	3.1%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	691	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.133N	P=0.210N	P=0.209N	P=0.210N
POLY 1.5	P=0.126N	P=0.223N	P=0.224N	P=0.227N
POLY 6	P=0.150N	P=0.191N	P=0.187N	P=0.184N
RAO-SCOTT	P=0.236N	P=0.354N	P=0.358N	P=0.360N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Urinary Bladder: Urothelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/89 (1%)	1/89 (1%)	2/86 (2%)	1/85 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/65.53	1/74.48	2/75.73	1/74.55
POLY-3 PERCENT (g)	1.5%	1.3%	2.6%	1.3%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	567	730 (T)	505	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.618N	P=0.731N	P=0.550	P=0.731N
POLY 1.5	P=0.608	P=0.745N	P=0.524	P=0.750N
POLY 6	P=0.584N	P=0.708N	P=0.589	P=0.697N
RAO-SCOTT	P=0.609N	P=0.693N	P=0.525	P=0.697N
LITTER C-A/FISHERS	P=0.591	P=0.754	P=0.500	P=0.754

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Accessory Adrenal Cortical Nodule</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	5/90 (6%)	7/90 (8%)	6/89 (7%)	6/90 (7%)
<b>LITTERS (b)</b>	5/35 (14%)	6/35 (17%)	5/35 (14%)	6/35 (17%)
<b>POLY-3 RATE (c)</b>	5/69.46	7/75.67	6/70.19	6/74.68
<b>POLY-3 PERCENT (g)</b>	7.2%	9.3%	8.6%	8%
<b>TERMINAL (d)</b>	5/48 (10%)	7/53 (13%)	5/48 (10%)	5/57 (9%)
<b>FIRST INCIDENCE</b>	737 (T)	737 (T)	727	720
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.542	P=0.442	P=0.507	P=0.550
<b>POLY 1.5</b>	P=0.521	P=0.417	P=0.499	P=0.527
<b>POLY 6</b>	P=0.550N	P=0.470	P=0.520	P=0.580
<b>RAO-SCOTT</b>	P=0.530	P=0.437	P=0.495	P=0.537
<b>LITTER C-A/FISHERS</b>	P=0.469	P=0.500	P=0.633	P=0.500

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/75.67	0/70.15	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	0%	0%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.15	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	22/90 (24%)	26/90 (29%)	36/89 (40%)	29/90 (32%)
LITTERS (b)	15/35 (43%)	22/35 (63%)	26/35 (74%)	20/35 (57%)
POLY-3 RATE (c)	22/70.42	26/77.60	36/71.18	29/76.31
POLY-3 PERCENT (g)	31.2%	33.5%	50.6%	38%
TERMINAL (d)	18/48 (38%)	19/53 (36%)	32/48 (67%)	22/57 (39%)
FIRST INCIDENCE	622	576	579	593
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.164	P=0.452	P=0.012*	P=0.243
POLY 1.5	P=0.138	P=0.388	P=0.012*	P=0.199
POLY 6	P=0.209	P=0.531	P=0.011*	P=0.310
RAO-SCOTT	P=0.179	P=0.452	P=0.020*	P=0.257
LITTER C-A/FISHERS	P=0.184	P=0.075	P=0.007**	P=0.170

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/90 (16%)	26/90 (29%)	40/89 (45%)	26/90 (29%)
LITTERS (b)	12/35 (34%)	20/35 (57%)	28/35 (80%)	19/35 (54%)
POLY-3 RATE (c)	14/70.96	26/79.28	40/78.22	26/77.57
POLY-3 PERCENT (g)	19.7%	32.8%	51.1%	33.5%
TERMINAL (d)	11/48 (23%)	16/53 (30%)	23/48 (48%)	18/57 (32%)
FIRST INCIDENCE	531	332	383	443
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.056	P=0.050*	P<0.001**	P=0.041*
POLY 1.5	P=0.041*	P=0.037*	P<0.001**	P=0.031*
POLY 6	P=0.083	P=0.070	P<0.001**	P=0.058
RAO-SCOTT	P=0.056	P=0.054	P<0.001**	P=0.046*
LITTER C-A/FISHERS	P=0.071	P=0.046*	P<0.001**	P=0.074

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	52/90 (58%)	54/90 (60%)	51/89 (57%)	56/90 (62%)
LITTERS (b)	31/35 (89%)	29/35 (83%)	29/35 (83%)	33/35 (94%)
POLY-3 RATE (c)	52/76.48	54/79.54	51/75.82	56/79.09
POLY-3 PERCENT (g)	68%	67.9%	67.3%	70.8%
TERMINAL (d)	37/48 (77%)	43/53 (81%)	38/48 (79%)	42/57 (74%)
FIRST INCIDENCE	492	464	383	545
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.365	P=0.567N	P=0.533N	P=0.414
POLY 1.5	P=0.329	P=0.521	P=0.530N	P=0.357
POLY 6	P=0.451	P=0.517N	P=0.543N	P=0.519
RAO-SCOTT	P=0.374	P=0.555N	P=0.522N	P=0.414
LITTER C-A/FISHERS	P=0.221	P=0.367N	P=0.367N	P=0.337

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
<b>Necrosis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	4/90 (4%)	1/89 (1%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	4/35 (11%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	2/69.57	4/76.78	1/70.43	2/75.27
POLY-3 PERCENT (g)	2.9%	5.2%	1.4%	2.7%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	709	597	661	514
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.406N	P=0.385	P=0.496N	P=0.665N
POLY 1.5	P=0.418N	P=0.366	P=0.500N	P=0.677N
POLY 6	P=0.391N	P=0.409	P=0.489N	P=0.648N
RAO-SCOTT	P=0.414N	P=0.382	P=0.474N	P=0.641N
LITTER C-A/FISHERS	P=0.431N	P=0.337	P=0.500N	P=0.693

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex Thrombus</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	3/90 (3%)	1/89 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	3/75.67	1/70.67	0/74.61
POLY-3 PERCENT (g)	0%	4%	1.4%	0%
TERMINAL (d)	0/48 (0%)	3/53 (6%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	578	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.333N	P=0.137	P=0.503	(e)
POLY 1.5	P=0.348N	P=0.130	P=0.501	(e)
POLY 6	P=0.314N	P=0.145	P=0.508	(e)
RAO-SCOTT	P=0.397N	P=0.198	P=0.541	(e)
LITTER C-A/FISHERS	P=0.366N	P=0.120	P=0.500	(e)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Cortex</b>				
Vacuolation, Cytoplasmic				
<b>LESION RATES</b>				
OVERALL (a)	18/90 (20%)	21/90 (23%)	11/89 (12%)	8/90 (9%)
LITTERS (b)	14/35 (40%)	19/35 (54%)	9/35 (26%)	8/35 (23%)
POLY-3 RATE (c)	18/71.37	21/76.83	11/70.95	8/75.61
POLY-3 PERCENT (g)	25.2%	27.3%	15.5%	10.6%
TERMINAL (d)	12/48 (25%)	17/53 (32%)	8/48 (17%)	6/57 (11%)
FIRST INCIDENCE	578	622	593	300
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004N**	P=0.458	P=0.106N	P=0.016N*
POLY 1.5	P=0.005N**	P=0.417	P=0.111N	P=0.020N*
POLY 6	P=0.003N**	P=0.501	P=0.101N	P=0.013N*
RAO-SCOTT	P=0.006N**	P=0.451	P=0.112N	P=0.020N*
LITTER C-A/FISHERS	P=0.018N*	P=0.169	P=0.154N	P=0.099N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/86 (15%)	19/90 (21%)	14/90 (16%)	25/86 (29%)
LITTERS (b)	11/35 (31%)	12/35 (34%)	12/35 (34%)	19/35 (54%)
POLY-3 RATE (c)	13/66.92	19/77.01	14/73.52	25/71.77
POLY-3 PERCENT (g)	19.4%	24.7%	19%	34.8%
TERMINAL (d)	10/45 (22%)	15/53 (28%)	8/48 (17%)	20/53 (38%)
FIRST INCIDENCE	524	493	464	622
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.025*	P=0.289	P=0.563N	P=0.030*
POLY 1.5	P=0.023*	P=0.250	P=0.582	P=0.024*
POLY 6	P=0.031*	P=0.336	P=0.530N	P=0.040*
RAO-SCOTT	P=0.041*	P=0.307	P=0.554N	P=0.047*
LITTER C-A/FISHERS	P=0.026*	P=0.500	P=0.500	P=0.045*

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Aorta Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/71.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	142	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Aorta</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/76.43	1/71.74	0/74.61
POLY-3 PERCENT (g)	0%	2.6%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	626	142	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.431N	P=0.260	P=0.506	(e)
POLY 1.5	P=0.445N	P=0.251	P=0.504	(e)
POLY 6	P=0.414N	P=0.271	P=0.510	(e)
RAO-SCOTT	P=0.485N	P=0.332	P=0.551	(e)
LITTER C-A/FISHERS	P=0.461N	P=0.246	P=0.500	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Bone Marrow Hemorrhage				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Bone Marrow</b>				
<b>Hypercellularity</b>				
<b>LESION RATES</b>				
OVERALL (a)	56/90 (62%)	57/90 (63%)	55/90 (61%)	56/90 (62%)
LITTERS (b)	31/35 (89%)	29/35 (83%)	33/35 (94%)	28/35 (80%)
POLY-3 RATE (c)	56/85.79	57/86.40	55/84.31	56/87.16
POLY-3 PERCENT (g)	65.3%	66%	65.2%	64.3%
TERMINAL (d)	24/48 (50%)	29/53 (55%)	26/48 (54%)	30/57 (53%)
FIRST INCIDENCE	268	123	383	283
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.455N	P=0.526	P=0.563N	P=0.507N
POLY 1.5	P=0.473N	P=0.522	P=0.543N	P=0.527N
POLY 6	P=0.430N	P=0.537	P=0.554	P=0.481N
RAO-SCOTT	P=0.466N	P=0.534	P=0.565N	P=0.518N
LITTER C-A/FISHERS	P=0.266N	P=0.367N	P=0.337	P=0.256N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Bone</b>				
<b>Fibrous Osteodystrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/76.06	2/70.74	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	2/48 (4%)	0/57 (0%)
FIRST INCIDENCE	---	626	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.592N	P=0.518	P=0.242	(e)
POLY 1.5	P=0.603N	P=0.511	P=0.240	(e)
POLY 6	P=0.577N	P=0.527	P=0.245	(e)
RAO-SCOTT	P=0.615N	P=0.575	P=0.311	(e)
LITTER C-A/FISHERS	P=0.616N	P=0.500	P=0.246	(e)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	26/90 (29%)	16/90 (18%)	18/90 (20%)	11/90 (12%)
LITTERS (b)	19/35 (54%)	11/35 (31%)	14/35 (40%)	10/35 (29%)
POLY-3 RATE (c)	26/73.88	16/76.82	18/72.99	11/75.70
POLY-3 PERCENT (g)	35.2%	20.8%	24.7%	14.5%
TERMINAL (d)	15/48 (31%)	12/53 (23%)	11/48 (23%)	6/57 (11%)
FIRST INCIDENCE	464	480	545	594
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005N**	P=0.034N*	P=0.108N	P=0.002N**
POLY 1.5	P=0.006N**	P=0.041N*	P=0.110N	P=0.003N**
POLY 6	P=0.004N**	P=0.030N*	P=0.107N	P=0.002N**
RAO-SCOTT	P=0.014N*	P=0.061N	P=0.147N	P=0.009N**
LITTER C-A/FISHERS	P=0.044N*	P=0.045N*	P=0.169N	P=0.026N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain</b>				
<b>Edema</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	2/69.55	0/75.67	0/70.74	2/74.94
POLY-3 PERCENT (g)	2.9%	0%	0%	2.7%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	712	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.494	P=0.220N	P=0.234N	P=0.666N
POLY 1.5	P=0.496	P=0.227N	P=0.236N	P=0.679N
POLY 6	P=0.493	P=0.212N	P=0.231N	P=0.650N
RAO-SCOTT	P=0.536	P=0.294N	P=0.301N	P=0.665N
LITTER C-A/FISHERS	P=0.500	P=0.246N	P=0.246N	P=0.693

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	1/75.69	0/70.74	1/74.90
POLY-3 PERCENT (g)	0%	1.3%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	732	---	658
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	---	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	1/74.94
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Cerebellum</b>				
<b>Atrophy</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Choroid Plexus</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Brain: Glial Cell  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/70.81	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	720	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Pineal Gland Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/90 (1%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	1/76.37	3/71.25	1/74.61
POLY-3 PERCENT (g)	1.4%	1.3%	4.2%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	737 (T)	493	669	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.579	P=0.739N	P=0.315	P=0.745N
POLY 1.5	P=0.568	P=0.748N	P=0.311	P=0.752N
POLY 6	P=0.595	P=0.729N	P=0.323	P=0.735N
RAO-SCOTT	P=0.567	P=0.718N	P=0.326	P=0.721N
LITTER C-A/FISHERS	P=0.556	P=0.754	P=0.307	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Brain: Pineal Gland</b>				
<b>Vacuolation, Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	3/90 (3%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	3/77.16	2/70.74	1/74.76
POLY-3 PERCENT (g)	1.4%	3.9%	2.8%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	2/48 (4%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	493	737 (T)	697
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.446N	P=0.345	P=0.506	P=0.744N
POLY 1.5	P=0.459N	P=0.329	P=0.503	P=0.752N
POLY 6	P=0.428N	P=0.364	P=0.512	P=0.734N
RAO-SCOTT	P=0.459N	P=0.346	P=0.486	P=0.714N
LITTER C-A/FISHERS	P=0.474N	P=0.307	P=0.500	P=0.754

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Clitoral Gland Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/87 (0%)	3/85 (4%)	0/86 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/66.99	3/72.12	0/69.02	0/72.89
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/47 (0%)	2/50 (4%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	699	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.275N	P=0.134	(e)	(e)
POLY 1.5	P=0.290N	P=0.127	(e)	(e)
POLY 6	P=0.258N	P=0.143	(e)	(e)
RAO-SCOTT	P=0.389N	P=0.246	(e)	(e)
LITTER C-A/FISHERS	P=0.311N	P=0.120	(e)	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Clitoral Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	28/87 (32%)	24/85 (28%)	32/86 (37%)	40/87 (46%)
LITTERS (b)	18/35 (51%)	19/35 (54%)	24/35 (69%)	25/35 (71%)
POLY-3 RATE (c)	28/71.43	24/74.05	32/74.18	40/78.06
POLY-3 PERCENT (g)	39.2%	32.4%	43.1%	51.2%
TERMINAL (d)	18/47 (38%)	20/50 (40%)	19/48 (40%)	31/57 (54%)
FIRST INCIDENCE	489	464	439	299
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022*	P=0.244N	P=0.374	P=0.089
POLY 1.5	P=0.017*	P=0.280N	P=0.338	P=0.065
POLY 6	P=0.032*	P=0.218N	P=0.422	P=0.123
RAO-SCOTT	P=0.034*	P=0.254N	P=0.378	P=0.104
LITTER C-A/FISHERS	P=0.034*	P=0.500	P=0.111	P=0.070

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Clitoral Gland: Duct Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	47/87 (54%)	47/85 (55%)	44/86 (51%)	40/87 (46%)
LITTERS (b)	29/35 (83%)	30/35 (86%)	26/35 (74%)	27/35 (77%)
POLY-3 RATE (c)	47/75.37	47/77.42	44/74.49	40/75.88
POLY-3 PERCENT (g)	62.4%	60.7%	59.1%	52.7%
TERMINAL (d)	29/47 (62%)	32/50 (64%)	29/48 (60%)	32/57 (56%)
FIRST INCIDENCE	353	464	439	487
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.109N	P=0.482N	P=0.399N	P=0.142N
POLY 1.5	P=0.118N	P=0.546N	P=0.414N	P=0.162N
POLY 6	P=0.093N	P=0.412N	P=0.365N	P=0.114N
RAO-SCOTT	P=0.118N	P=0.478N	P=0.398N	P=0.150N
LITTER C-A/FISHERS	P=0.238N	P=0.500	P=0.281N	P=0.383N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Esophagus Dilation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/71.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	142	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Eye: Anterior Chamber  
Inflammation Acute

---

**LESION RATES**

OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea</b>				
<b>Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea</b>				
<b>Inflammation Acute</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	1/88 (1%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
<b>LITTERS (b)</b>	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
<b>POLY-3 RATE (c)</b>	1/68.01	0/72.13	0/68.32	0/73.05
<b>POLY-3 PERCENT (g)</b>	1.5%	0%	0%	0%
<b>TERMINAL (d)</b>	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
<b>FIRST INCIDENCE</b>	737 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	(n)	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)	(n)
<b>RAO-SCOTT</b>	(n)	(n)	(n)	(n)
<b>LITTER C-A/FISHERS</b>	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Eye: Cornea  
Neovascularization

---

**LESION RATES**

OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Eye: Cornea				
Ulcer				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Eye: Cornea, Epithelium  
Degeneration

---

**LESION RATES**

OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Eye: Cornea, Epithelium  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	1/88 (1%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	1.5%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Cornea, Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Eye: Lens  
Cataract

---

**LESION RATES**

OVERALL (a)	1/88 (1%)	0/85 (0%)	0/87 (0%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/68.01	0/72.13	0/68.32	0/73.05
POLY-3 PERCENT (g)	1.5%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Eye: Retina</b>				
<b>Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/88 (20%)	15/85 (18%)	16/87 (18%)	13/87 (15%)
LITTERS (b)	16/35 (46%)	13/35 (37%)	14/35 (40%)	9/35 (26%)
POLY-3 RATE (c)	18/68.09	15/72.13	16/68.83	13/73.34
POLY-3 PERCENT (g)	26.4%	20.8%	23.3%	17.7%
TERMINAL (d)	17/48 (35%)	15/53 (28%)	15/48 (31%)	12/57 (21%)
FIRST INCIDENCE	719	737 (T)	579	658
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.156N	P=0.277N	P=0.406N	P=0.145N
POLY 1.5	P=0.181N	P=0.323N	P=0.423N	P=0.179N
POLY 6	P=0.126N	P=0.227N	P=0.380N	P=0.108N
RAO-SCOTT	P=0.160N	P=0.274N	P=0.397N	P=0.147N
LITTER C-A/FISHERS	P=0.062N	P=0.314N	P=0.405N	P=0.067N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/90 (14%)	12/90 (13%)	15/90 (17%)	24/90 (27%)
LITTERS (b)	12/35 (34%)	11/35 (31%)	15/35 (43%)	19/35 (54%)
POLY-3 RATE (c)	13/70.67	12/75.95	15/70.74	24/74.68
POLY-3 PERCENT (g)	18.4%	15.8%	21.2%	32.1%
TERMINAL (d)	11/48 (23%)	10/53 (19%)	15/48 (31%)	23/57 (40%)
FIRST INCIDENCE	531	690	737 (T)	720
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009**	P=0.421N	P=0.417	P=0.040*
POLY 1.5	P=0.009**	P=0.454N	P=0.416	P=0.035*
POLY 6	P=0.010**	P=0.384N	P=0.422	P=0.050*
RAO-SCOTT	P=0.013*	P=0.413N	P=0.407	P=0.046*
LITTER C-A/FISHERS	P=0.029*	P=0.500N	P=0.312	P=0.074

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Degeneration Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/71.13	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	628	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland</b>				
<b>Infiltration Cellular Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/70.05	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	547	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.123N	P=0.221N	P=0.236N	P=0.224N
POLY 1.5	P=0.119N	P=0.228N	P=0.237N	P=0.231N
POLY 6	P=0.127N	P=0.214N	P=0.233N	P=0.216N
RAO-SCOTT	P=0.227N	P=0.363N	P=0.368N	P=0.364N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/75.77	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	711	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/90 (9%)	5/90 (6%)	3/90 (3%)	4/90 (4%)
LITTERS (b)	7/35 (20%)	5/35 (14%)	3/35 (9%)	4/35 (11%)
POLY-3 RATE (c)	8/69.46	5/76.19	3/71.88	4/75.20
POLY-3 PERCENT (g)	11.5%	6.6%	4.2%	5.3%
TERMINAL (d)	8/48 (17%)	4/53 (8%)	1/48 (2%)	3/57 (5%)
FIRST INCIDENCE	737 (T)	578	450	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.126N	P=0.225N	P=0.093N	P=0.147N
POLY 1.5	P=0.132N	P=0.248N	P=0.099N	P=0.163N
POLY 6	P=0.118N	P=0.199N	P=0.085N	P=0.127N
RAO-SCOTT	P=0.139N	P=0.241N	P=0.111N	P=0.166N
LITTER C-A/FISHERS	P=0.191N	P=0.376N	P=0.153N	P=0.256N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Harderian Gland Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/90 (8%)	9/90 (10%)	9/90 (10%)	10/90 (11%)
LITTERS (b)	6/35 (17%)	6/35 (17%)	8/35 (23%)	8/35 (23%)
POLY-3 RATE (c)	7/70.42	9/76.59	9/70.80	10/75.01
POLY-3 PERCENT (g)	9.9%	11.8%	12.7%	13.3%
TERMINAL (d)	4/48 (8%)	6/53 (11%)	8/48 (17%)	8/57 (14%)
FIRST INCIDENCE	550	464	724	669
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.314	P=0.465	P=0.400	P=0.353
POLY 1.5	P=0.299	P=0.438	P=0.397	P=0.330
POLY 6	P=0.337	P=0.495	P=0.403	P=0.384
RAO-SCOTT	P=0.335	P=0.474	P=0.412	P=0.373
LITTER C-A/FISHERS	P=0.284	P=0.624	P=0.383	P=0.383



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	40/90 (44%)	30/90 (33%)	39/90 (43%)	27/90 (30%)
LITTERS (b)	25/35 (71%)	21/35 (60%)	26/35 (74%)	25/35 (71%)
POLY-3 RATE (c)	40/75.73	30/80.73	39/77.67	27/78.67
POLY-3 PERCENT (g)	52.8%	37.2%	50.2%	34.3%
TERMINAL (d)	25/48 (52%)	17/53 (32%)	21/48 (44%)	18/57 (32%)
FIRST INCIDENCE	268	332	142	514
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.039N*	P=0.031N*	P=0.434N	P=0.013N*
POLY 1.5	P=0.049N*	P=0.048N*	P=0.458N	P=0.020N*
POLY 6	P=0.029N*	P=0.020N*	P=0.405N	P=0.008N**
RAO-SCOTT	P=0.053N	P=0.046N*	P=0.439N	P=0.022N*
LITTER C-A/FISHERS	P=0.390	P=0.225N	P=0.500	P=0.604

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: All Sites</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	40/90 (44%)	33/90 (37%)	42/90 (47%)	35/90 (39%)
LITTERS (b)	25/35 (71%)	23/35 (66%)	27/35 (77%)	27/35 (77%)
POLY-3 RATE (c)	40/75.73	33/80.89	42/78.65	35/79.46
POLY-3 PERCENT (g)	52.8%	40.8%	53.4%	44.1%
TERMINAL (d)	25/48 (52%)	19/53 (36%)	22/48 (46%)	24/57 (42%)
FIRST INCIDENCE	268	332	142	514
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.300N	P=0.083N	P=0.537	P=0.170N
POLY 1.5	P=0.340N	P=0.117N	P=0.499	P=0.217N
POLY 6	P=0.246N	P=0.057N	P=0.553N	P=0.120N
RAO-SCOTT	P=0.309N	P=0.104N	P=0.532	P=0.191N
LITTER C-A/FISHERS	P=0.240	P=0.399N	P=0.393	P=0.393

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Heart: Artery  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Heart: Artery				
Mineral				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Heart: Atrium Dilation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Heart: Endocardium (All) Hyperplasia Schwann Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

Heart: Endocardium or Myocardium  
Hyperplasia Schwann Cell

LESION RATES

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	1/74.76
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	697

STATISTICAL TESTS

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Heart: Endocardium				
Hyperplasia Schwann Cell				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Heart: Myocardium				
Mineral				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/76.06	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	626	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Heart: Ventricle Right  
Cardiomyopathy

---

**LESION RATES**

OVERALL (a)	4/90 (4%)	9/90 (10%)	14/90 (16%)	15/90 (17%)
LITTERS (b)	4/35 (11%)	7/35 (20%)	11/35 (31%)	10/35 (29%)
POLY-3 RATE (c)	4/69.73	9/75.83	14/74.44	15/75.79
POLY-3 PERCENT (g)	5.7%	11.9%	18.8%	19.8%
TERMINAL (d)	3/48 (6%)	8/53 (15%)	5/48 (10%)	12/57 (21%)
FIRST INCIDENCE	662	696	383	600

---

**STATISTICAL TESTS**

POLY 3	P=0.009**	P=0.157	P=0.016*	P=0.011*
POLY 1.5	P=0.007**	P=0.143	P=0.014*	P=0.009**
POLY 6	P=0.012*	P=0.174	P=0.019*	P=0.014*
RAO-SCOTT	P=0.026*	P=0.215	P=0.043*	P=0.033*
LITTER C-A/FISHERS	P=0.051	P=0.256	P=0.039*	P=0.067

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Intestine Large, Cecum Edema				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/84 (0%)	0/83 (0%)	0/83 (0%)	0/84 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.56	0/71.06	0/67.28	0/70.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/84 (0%)	0/83 (0%)	0/83 (0%)	0/84 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.56	0/71.06	0/67.28	0/70.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/84 (0%)	0/83 (0%)	0/83 (0%)	0/84 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.56	0/71.06	0/67.28	0/70.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/84 (0%)	0/83 (0%)	0/83 (0%)	0/84 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.56	0/71.06	0/67.28	0/70.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/84 (0%)	0/83 (0%)	0/83 (0%)	0/84 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.56	0/71.06	0/67.28	0/70.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Cecum: Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/84 (0%)	0/83 (0%)	0/83 (0%)	0/84 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.56	0/71.06	0/67.28	0/70.91
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Intestine Large, Colon: Artery  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/89 (0%)	0/88 (0%)	0/89 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.71	0/74.56	0/70.10	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Intestine Large, Colon: Artery  
Mineral

---

**LESION RATES**

OVERALL (a)	0/89 (0%)	0/88 (0%)	0/89 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.71	0/74.56	0/70.10	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Colon: Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/89 (0%)	0/88 (0%)	0/89 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/68.71	0/74.56	0/70.10	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Rectum Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	1/89 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.06	0/70.09	1/74.20
POLY-3 PERCENT (g)	0%	0%	0%	1.4%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	---	---	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Intestine Large, Rectum: Artery  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.06	0/70.09	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Intestine Large, Rectum: Epithelium Regeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.06	0/70.09	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Intestine Small, Ileum: Artery  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/86 (0%)	0/82 (0%)	0/81 (0%)	0/83 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/66.72	0/69.97	0/65.57	0/70.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/47 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/90 (17%)	6/89 (7%)	11/90 (12%)	12/87 (14%)
LITTERS (b)	13/35 (37%)	5/35 (14%)	10/35 (29%)	10/35 (29%)
POLY-3 RATE (c)	15/70.91	6/74.99	11/70.74	12/73.35
POLY-3 PERCENT (g)	21.2%	8%	15.6%	16.4%
TERMINAL (d)	12/48 (25%)	5/53 (9%)	11/48 (23%)	10/57 (18%)
FIRST INCIDENCE	464	657	737 (T)	487
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.506N	P=0.020N*	P=0.258N	P=0.299N
POLY 1.5	P=0.521N	P=0.024N*	P=0.261N	P=0.334N
POLY 6	P=0.482N	P=0.015N*	P=0.251N	P=0.254N
RAO-SCOTT	P=0.484N	P=0.028N*	P=0.266N	P=0.306N
LITTER C-A/FISHERS	P=0.474N	P=0.027N*	P=0.306N	P=0.306N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

**Kidney**  
**Nephropathy Chronic Progressive**

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**LESION RATES**

<b>OVERALL (a)</b>	74/90 (82%)	61/90 (68%)	68/90 (76%)	59/89 (66%)
<b>LITTERS (b)</b>	35/35 (100%)	34/35 (97%)	33/35 (94%)	31/35 (89%)
<b>POLY-3 RATE (c)</b>	74/85.18	61/83.12	68/84.31	59/85.36
<b>POLY-3 PERCENT (g)</b>	86.9%	73.4%	80.7%	69.1%
<b>TERMINAL (d)</b>	42/48 (88%)	42/53 (79%)	37/48 (77%)	35/57 (61%)
<b>FIRST INCIDENCE</b>	202	464	142	283

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**STATISTICAL TESTS**

<b>POLY 3</b>	P=0.008N**	P=0.016N*	P=0.171N	P=0.003N**
<b>POLY 1.5</b>	P=0.013N*	P=0.018N*	P=0.173N	P=0.005N**
<b>POLY 6</b>	P=0.004N**	P=0.015N*	P=0.164N	P=0.002N**
<b>RAO-SCOTT</b>	P=0.019N*	P=0.035N*	P=0.214N	P=0.009N**
<b>LITTER C-A/FISHERS</b>	P=0.021N*	P=0.500N	P=0.246N	P=0.057N

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Artery</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
<b>LITTERS (b)</b>	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
<b>POLY-3 RATE (c)</b>	0/69.46	0/75.67	0/70.74	0/74.20
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%	0%
<b>TERMINAL (d)</b>	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
<b>FIRST INCIDENCE</b>	---	---	---	---
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	(n)	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)	(n)
<b>RAO-SCOTT</b>	(n)	(n)	(n)	(n)
<b>LITTER C-A/FISHERS</b>	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Pelvis Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	2/90 (2%)	1/90 (1%)	0/89 (0%)
LITTERS (b)	3/35 (9%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	3/69.82	2/76.35	1/70.91	0/74.20
POLY-3 PERCENT (g)	4.3%	2.6%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	668	626	695	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.061N	P=0.460N	P=0.301N	P=0.110N
POLY 1.5	P=0.062N	P=0.476N	P=0.304N	P=0.116N
POLY 6	P=0.059N	P=0.441N	P=0.296N	P=0.104N
RAO-SCOTT	P=0.086N	P=0.470N	P=0.322N	P=0.144N
LITTER C-A/FISHERS	P=0.060N	P=0.500N	P=0.307N	P=0.120N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/75.95	1/71.45	0/74.20
POLY-3 PERCENT (g)	0%	2.6%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	690	489	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.433N	P=0.259	P=0.506	(e)
POLY 1.5	P=0.447N	P=0.250	P=0.503	(e)
POLY 6	P=0.415N	P=0.269	P=0.510	(e)
RAO-SCOTT	P=0.487N	P=0.330	P=0.550	(e)
LITTER C-A/FISHERS	P=0.461N	P=0.246	P=0.500	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	2/90 (2%)	1/90 (1%)	1/89 (1%)
LITTERS (b)	3/35 (9%)	2/35 (6%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	3/70.88	2/75.67	1/70.74	1/74.20
POLY-3 PERCENT (g)	4.2%	2.6%	1.4%	1.4%
TERMINAL (d)	1/48 (2%)	2/53 (4%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	464	737 (T)	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.199N	P=0.470N	P=0.307N	P=0.290N
POLY 1.5	P=0.202N	P=0.483N	P=0.308N	P=0.300N
POLY 6	P=0.195N	P=0.456N	P=0.304N	P=0.277N
RAO-SCOTT	P=0.213N	P=0.466N	P=0.310N	P=0.299N
LITTER C-A/FISHERS	P=0.197N	P=0.500N	P=0.307N	P=0.307N

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Hyperplasia Atypical</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	1/89 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	1/75.67	0/70.74	1/74.79
POLY-3 PERCENT (g)	0%	1.3%	0%	1.3%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	---	545
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Hyperplasia Oncocytic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.20
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Renal Tubule Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/76.60	0/70.74	0/74.20
POLY-3 PERCENT (g)	0%	2.6%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	597	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.381N	P=0.261	(e)	(e)
POLY 1.5	P=0.392N	P=0.251	(e)	(e)
POLY 6	P=0.365N	P=0.272	(e)	(e)
RAO-SCOTT	P=0.479N	P=0.379	(e)	(e)
LITTER C-A/FISHERS	P=0.405N	P=0.246	(e)	(e)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Kidney: Urothelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	1/89 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	1/74.49
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	658
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lacrimal Gland				
Metaplasia Harderian Gland				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
LITTERS (b)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (c)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver				
Angiectasis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	6/90 (7%)	4/90 (4%)	6/90 (7%)	6/90 (7%)
LITTERS (b)	6/35 (17%)	4/35 (11%)	6/35 (17%)	6/35 (17%)
POLY-3 RATE (c)	6/70.04	4/75.67	6/71.10	6/74.61
POLY-3 PERCENT (g)	8.6%	5.3%	8.4%	8%
TERMINAL (d)	5/48 (10%)	4/53 (8%)	5/48 (10%)	6/57 (11%)
FIRST INCIDENCE	550	737 (T)	636	737 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.493	P=0.325N	P=0.608N	P=0.574N
POLY 1.5	P=0.482	P=0.344N	P=0.613N	P=0.594N
POLY 6	P=0.511	P=0.304N	P=0.599N	P=0.547N
RAO-SCOTT	P=0.489	P=0.305N	P=0.584N	P=0.552N
LITTER C-A/FISHERS	P=0.469	P=0.367N	P=0.624	P=0.624

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/90 (12%)	17/90 (19%)	11/90 (12%)	8/90 (9%)
LITTERS (b)	9/35 (26%)	15/35 (43%)	11/35 (31%)	8/35 (23%)
POLY-3 RATE (c)	11/71.04	17/75.94	11/71.38	8/75.72
POLY-3 PERCENT (g)	15.5%	22.4%	15.4%	10.6%
TERMINAL (d)	8/48 (17%)	15/53 (28%)	9/48 (19%)	5/57 (9%)
FIRST INCIDENCE	524	682	634	565
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.103N	P=0.195	P=0.587N	P=0.260N
POLY 1.5	P=0.119N	P=0.176	P=0.590N	P=0.285N
POLY 6	P=0.084N	P=0.217	P=0.579N	P=0.230N
RAO-SCOTT	P=0.126N	P=0.208	P=0.573N	P=0.269N
LITTER C-A/FISHERS	P=0.258N	P=0.104	P=0.396	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	3/90 (3%)	6/90 (7%)	6/90 (7%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	6/35 (17%)	6/35 (17%)
POLY-3 RATE (c)	2/69.46	3/75.67	6/70.74	6/74.61
POLY-3 PERCENT (g)	2.9%	4%	8.5%	8%
TERMINAL (d)	2/48 (4%)	3/53 (6%)	6/48 (13%)	6/57 (11%)
FIRST INCIDENCE	737 (T)	737 (T)	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.095	P=0.539	P=0.142	P=0.161
POLY 1.5	P=0.089	P=0.523	P=0.140	P=0.150
POLY 6	P=0.104	P=0.557	P=0.147	P=0.177
RAO-SCOTT	P=0.102	P=0.517	P=0.144	P=0.163
LITTER C-A/FISHERS	P=0.074	P=0.500	P=0.130	P=0.130

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Liver Congestion				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/76.04	2/71.90	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	631	142	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.592N	P=0.518	P=0.246	(e)
POLY 1.5	P=0.603N	P=0.511	P=0.243	(e)
POLY 6	P=0.577N	P=0.527	P=0.250	(e)
RAO-SCOTT	P=0.614N	P=0.575	P=0.317	(e)
LITTER C-A/FISHERS	P=0.616N	P=0.500	P=0.246	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/90 (10%)	26/90 (29%)	23/90 (26%)	23/90 (26%)
LITTERS (b)	9/35 (26%)	20/35 (57%)	18/35 (51%)	18/35 (51%)
POLY-3 RATE (c)	9/71.34	26/78.76	23/71.70	23/76.56
POLY-3 PERCENT (g)	12.6%	33%	32.1%	30%
TERMINAL (d)	6/48 (13%)	20/53 (38%)	18/48 (38%)	18/57 (32%)
FIRST INCIDENCE	492	464	593	443
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.047*	P=0.002**	P=0.004**	P=0.008**
POLY 1.5	P=0.039*	P=0.002**	P=0.004**	P=0.006**
POLY 6	P=0.063	P=0.003**	P=0.004**	P=0.010**
RAO-SCOTT	P=0.049*	P=0.004**	P=0.006**	P=0.011*
LITTER C-A/FISHERS	P=0.064	P=0.007**	P=0.024*	P=0.024*



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver				
Extramedullary Hematopoiesis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	15/90 (17%)	19/90 (21%)	17/90 (19%)	12/90 (13%)
LITTERS (b)	12/35 (34%)	15/35 (43%)	13/35 (37%)	11/35 (31%)
POLY-3 RATE (c)	15/74.85	19/80.48	17/77.12	12/78.41
POLY-3 PERCENT (g)	20%	23.6%	22%	15.3%
TERMINAL (d)	4/48 (8%)	6/53 (11%)	4/48 (8%)	4/57 (7%)
FIRST INCIDENCE	268	332	383	370
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.185N	P=0.365	P=0.458	P=0.288N
POLY 1.5	P=0.203N	P=0.329	P=0.440	P=0.313N
POLY 6	P=0.165N	P=0.409	P=0.482	P=0.258N
RAO-SCOTT	P=0.214N	P=0.379	P=0.463	P=0.307N
LITTER C-A/FISHERS	P=0.350N	P=0.312	P=0.500	P=0.500N

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	1.4%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	2/70.78	0/74.61
POLY-3 PERCENT (g)	0%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	---	727	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.621	(e)	P=0.242	(e)
POLY 1.5	P=0.609	(e)	P=0.240	(e)
POLY 6	P=0.637	(e)	P=0.246	(e)
RAO-SCOTT	P=0.641	(e)	P=0.365	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Infiltration Cellular Mixed Cell</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	1/90 (1%)	4/90 (4%)	1/90 (1%)	2/90 (2%)
<b>LITTERS (b)</b>	1/35 (3%)	3/35 (9%)	1/35 (3%)	2/35 (6%)
<b>POLY-3 RATE (c)</b>	1/69.53	4/77.44	1/71.60	2/76.42
<b>POLY-3 PERCENT (g)</b>	1.4%	5.2%	1.4%	2.6%
<b>TERMINAL (d)</b>	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
<b>FIRST INCIDENCE</b>	719	123	383	290
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.557N	P=0.216	P=0.754N	P=0.533
<b>POLY 1.5</b>	P=0.573N	P=0.203	P=0.757N	P=0.519
<b>POLY 6</b>	P=0.538N	P=0.230	P=0.751N	P=0.549
<b>RAO-SCOTT</b>	P=0.577N	P=0.279	P=0.744N	P=0.561
<b>LITTER C-A/FISHERS</b>	P=0.526	P=0.307	P=0.754	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/75.67	2/71.57	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	2.8%	0%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	489	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.591N	P=0.517	P=0.245	(e)
POLY 1.5	P=0.603N	P=0.510	P=0.242	(e)
POLY 6	P=0.576N	P=0.525	P=0.249	(e)
RAO-SCOTT	P=0.615N	P=0.577	P=0.318	(e)
LITTER C-A/FISHERS	P=0.616N	P=0.500	P=0.246	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	29/90 (32%)	23/90 (26%)	33/90 (37%)	28/90 (31%)
LITTERS (b)	23/35 (66%)	19/35 (54%)	23/35 (66%)	22/35 (63%)
POLY-3 RATE (c)	29/75.33	23/79.16	33/75.37	28/76.72
POLY-3 PERCENT (g)	38.5%	29.1%	43.8%	36.5%
TERMINAL (d)	19/48 (40%)	16/53 (30%)	23/48 (48%)	24/57 (42%)
FIRST INCIDENCE	464	464	464	370
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.425	P=0.138N	P=0.307	P=0.464N
POLY 1.5	P=0.423	P=0.163N	P=0.308	P=0.483N
POLY 6	P=0.438	P=0.114N	P=0.314	P=0.435N
RAO-SCOTT	P=0.428	P=0.140N	P=0.304	P=0.456N
LITTER C-A/FISHERS	P=0.512	P=0.232N	P=0.599	P=0.500N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Bile Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/90 (12%)	6/90 (7%)	5/90 (6%)	8/90 (9%)
LITTERS (b)	8/35 (23%)	6/35 (17%)	5/35 (14%)	7/35 (20%)
POLY-3 RATE (c)	11/70.09	6/76.13	5/70.74	8/75.36
POLY-3 PERCENT (g)	15.7%	7.9%	7.1%	10.6%
TERMINAL (d)	9/48 (19%)	5/53 (9%)	5/48 (10%)	5/57 (9%)
FIRST INCIDENCE	641	602	737 (T)	641
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.308N	P=0.111N	P=0.087N	P=0.254N
POLY 1.5	P=0.317N	P=0.127N	P=0.090N	P=0.281N
POLY 6	P=0.293N	P=0.095N	P=0.083N	P=0.220N
RAO-SCOTT	P=0.313N	P=0.140N	P=0.114N	P=0.278N
LITTER C-A/FISHERS	P=0.471N	P=0.383N	P=0.270N	P=0.500N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/90 (10%)	5/90 (6%)	10/90 (11%)	9/90 (10%)
LITTERS (b)	9/35 (26%)	5/35 (14%)	10/35 (29%)	7/35 (20%)
POLY-3 RATE (c)	9/71.23	5/76.40	10/71.91	9/76.31
POLY-3 PERCENT (g)	12.6%	6.5%	13.9%	11.8%
TERMINAL (d)	4/48 (8%)	4/53 (8%)	8/48 (17%)	5/57 (9%)
FIRST INCIDENCE	492	480	482	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.424	P=0.163N	P=0.509	P=0.538N
POLY 1.5	P=0.409	P=0.178N	P=0.504	P=0.564N
POLY 6	P=0.447	P=0.149N	P=0.514	P=0.506N
RAO-SCOTT	P=0.431	P=0.166N	P=0.496	P=0.526N
LITTER C-A/FISHERS	P=0.486N	P=0.185N	P=0.500	P=0.388N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Hepatocyte Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	5/90 (6%)	2/90 (2%)	6/90 (7%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	2/35 (6%)	6/35 (17%)
POLY-3 RATE (c)	2/69.46	5/76.49	2/70.74	6/74.92
POLY-3 PERCENT (g)	2.9%	6.5%	2.8%	8%
TERMINAL (d)	2/48 (4%)	2/53 (4%)	2/48 (4%)	5/57 (9%)
FIRST INCIDENCE	737 (T)	578	737 (T)	651
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.171	P=0.260	P=0.687N	P=0.163
POLY 1.5	P=0.162	P=0.243	P=0.690N	P=0.151
POLY 6	P=0.185	P=0.281	P=0.682N	P=0.180
RAO-SCOTT	P=0.181	P=0.262	P=0.656N	P=0.170
LITTER C-A/FISHERS	P=0.144	P=0.214	P=0.693	P=0.130

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver: Hepatocyte				
Increased mitoses				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.124N	P=0.220N	P=0.234N	P=0.223N
POLY 1.5	P=0.120N	P=0.227N	P=0.236N	P=0.230N
POLY 6	P=0.129N	P=0.211N	P=0.230N	P=0.214N
RAO-SCOTT	P=0.229N	P=0.363N	P=0.368N	P=0.364N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	2/90 (2%)	5/90 (6%)	8/90 (9%)
LITTERS (b)	4/35 (11%)	2/35 (6%)	5/35 (14%)	7/35 (20%)
POLY-3 RATE (c)	4/69.92	2/76.51	5/71.83	8/77.20
POLY-3 PERCENT (g)	5.7%	2.6%	7%	10.4%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	1/48 (2%)	3/57 (5%)
FIRST INCIDENCE	668	597	619	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.070	P=0.299N	P=0.517	P=0.234
POLY 1.5	P=0.065	P=0.315N	P=0.508	P=0.212
POLY 6	P=0.077	P=0.281N	P=0.530	P=0.264
RAO-SCOTT	P=0.093	P=0.305N	P=0.506	P=0.247
LITTER C-A/FISHERS	P=0.100	P=0.337N	P=0.500	P=0.256

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Liver: Hepatocyte Vacuolation, Cytoplasmic				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/90 (1%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	1/70.01	1/76.37	1/71.15	3/74.94
POLY-3 PERCENT (g)	1.4%	1.3%	1.4%	4%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	2/57 (4%)
FIRST INCIDENCE	565	493	621	645
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.172	P=0.741N	P=0.757N	P=0.331
POLY 1.5	P=0.169	P=0.749N	P=0.759N	P=0.320
POLY 6	P=0.178	P=0.732N	P=0.754N	P=0.346
RAO-SCOTT	P=0.199	P=0.719N	P=0.727N	P=0.341
LITTER C-A/FISHERS	P=0.162	P=0.754	P=0.754	P=0.307

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Liver: Hepatocyte, Centrilobular  
Necrosis

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LESION RATES				
OVERALL (a)	0/90 (0%)	3/90 (3%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	3/76.28	0/70.74	2/75.24
POLY-3 PERCENT (g)	0%	3.9%	0%	2.7%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	602	---	641

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STATISTICAL TESTS				
POLY 3	P=0.385	P=0.139	(e)	P=0.256
POLY 1.5	P=0.369	P=0.131	(e)	P=0.248
POLY 6	P=0.406	P=0.148	(e)	P=0.268
RAO-SCOTT	P=0.405	P=0.196	(e)	P=0.315
LITTER C-A/FISHERS	P=0.350	P=0.120	(e)	P=0.246

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Kupffer Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/69.56	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	711	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.052N	P=0.107N	P=0.118N	P=0.109N
POLY 1.5	P=0.049N*	P=0.112N	P=0.119N	P=0.114N
POLY 6	P=0.054N	P=0.100N	P=0.115N	P=0.102N
RAO-SCOTT	P=0.125N	P=0.223N	P=0.231N	P=0.225N
LITTER C-A/FISHERS	P=0.047N*	P=0.120N	P=0.120N	P=0.120N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Liver: Kupffer Cell Hypertrophy

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LESION RATES				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	---	---

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STATISTICAL TESTS				
POLY 3	P=0.124N	P=0.220N	P=0.234N	P=0.223N
POLY 1.5	P=0.120N	P=0.227N	P=0.236N	P=0.230N
POLY 6	P=0.129N	P=0.211N	P=0.230N	P=0.214N
RAO-SCOTT	P=0.230N	P=0.364N	P=0.369N	P=0.365N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Liver: Periductal Cholangiofibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	0/75.67	0/70.74	1/74.61
POLY-3 PERCENT (g)	1.4%	0%	0%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	737 (T)	---	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Lung Congestion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	5/90 (6%)	5/90 (6%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	5/35 (14%)	3/35 (9%)
POLY-3 RATE (c)	3/70.43	5/76.79	5/73.30	3/75.75
POLY-3 PERCENT (g)	4.3%	6.5%	6.8%	4%
TERMINAL (d)	1/48 (2%)	2/53 (4%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	547	480	142	600
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.462N	P=0.406	P=0.380	P=0.627N
POLY 1.5	P=0.480N	P=0.387	P=0.373	P=0.643N
POLY 6	P=0.437N	P=0.428	P=0.389	P=0.606N
RAO-SCOTT	P=0.470N	P=0.403	P=0.376	P=0.609N
LITTER C-A/FISHERS	P=0.518	P=0.214	P=0.214	P=0.500

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung</b>				
<b>Foreign Body</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/76.17	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	2.6%	0%	0%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	584	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380N	P=0.259	(e)	(e)
POLY 1.5	P=0.391N	P=0.250	(e)	(e)
POLY 6	P=0.366N	P=0.270	(e)	(e)
RAO-SCOTT	P=0.476N	P=0.377	(e)	(e)
LITTER C-A/FISHERS	P=0.405N	P=0.246	(e)	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lung Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/90 (1%)	4/90 (4%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	4/35 (11%)	2/35 (6%)
POLY-3 RATE (c)	1/69.46	1/75.67	4/72.33	2/74.61
POLY-3 PERCENT (g)	1.4%	1.3%	5.5%	2.7%
TERMINAL (d)	1/48 (2%)	1/53 (2%)	1/48 (2%)	2/57 (4%)
FIRST INCIDENCE	737 (T)	737 (T)	450	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.339	P=0.741N	P=0.193	P=0.525
POLY 1.5	P=0.327	P=0.749N	P=0.188	P=0.513
POLY 6	P=0.355	P=0.732N	P=0.202	P=0.540
RAO-SCOTT	P=0.350	P=0.720N	P=0.216	P=0.520
LITTER C-A/FISHERS	P=0.311	P=0.754	P=0.178	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.74	1/76.17	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	1.3%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	660	584	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.103N	P=0.469N	P=0.235N	P=0.223N
POLY 1.5	P=0.102N	P=0.482N	P=0.237N	P=0.230N
POLY 6	P=0.103N	P=0.455N	P=0.232N	P=0.215N
RAO-SCOTT	P=0.166N	P=0.518N	P=0.316N	P=0.311N
LITTER C-A/FISHERS	P=0.100N	P=0.500N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lung Inflammation Acute				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/90 (7%)	8/90 (9%)	9/90 (10%)	8/90 (9%)
LITTERS (b)	6/35 (17%)	8/35 (23%)	9/35 (26%)	7/35 (20%)
POLY-3 RATE (c)	6/70.20	8/78.02	9/73.54	8/76.58
POLY-3 PERCENT (g)	8.6%	10.3%	12.2%	10.5%
TERMINAL (d)	4/48 (8%)	3/53 (6%)	3/48 (6%)	4/57 (7%)
FIRST INCIDENCE	531	480	383	487
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.418	P=0.471	P=0.326	P=0.456
POLY 1.5	P=0.393	P=0.438	P=0.312	P=0.426
POLY 6	P=0.451	P=0.508	P=0.347	P=0.495
RAO-SCOTT	P=0.405	P=0.455	P=0.312	P=0.440
LITTER C-A/FISHERS	P=0.472	P=0.383	P=0.281	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung</b>				
<b>Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/69.85	2/76.27	3/71.89	0/74.61
POLY-3 PERCENT (g)	1.4%	2.6%	4.2%	0%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	622	545	439	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.314N	P=0.530	P=0.317	P=0.487N
POLY 1.5	P=0.325N	P=0.518	P=0.312	P=0.493N
POLY 6	P=0.300N	P=0.544	P=0.323	P=0.479N
RAO-SCOTT	P=0.392N	P=0.583	P=0.399	P=0.588N
LITTER C-A/FISHERS	P=0.295N	P=0.500	P=0.500	P=0.500N



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Alveolus Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	71/90 (79%)	75/90 (83%)	83/90 (92%)	82/90 (91%)
LITTERS (b)	33/35 (94%)	34/35 (97%)	34/35 (97%)	34/35 (97%)
POLY-3 RATE (c)	71/85.53	75/85.01	83/88.59	82/86.69
POLY-3 PERCENT (g)	83%	88.2%	93.7%	94.6%
TERMINAL (d)	39/48 (81%)	46/53 (87%)	45/48 (94%)	54/57 (95%)
FIRST INCIDENCE	202	464	383	283
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004**	P=0.213	P=0.019*	P=0.010**
POLY 1.5	P=0.003**	P=0.221	P=0.011*	P=0.009**
POLY 6	P=0.008**	P=0.223	P=0.033*	P=0.016*
RAO-SCOTT	P=0.015*	P=0.264	P=0.044*	P=0.030*
LITTER C-A/FISHERS	P=0.409	P=0.500	P=0.500	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Alveolus Pigment</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.67	2/70.74	1/74.61
POLY-3 PERCENT (g)	0%	0%	2.8%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	2/48 (4%)	1/57 (2%)
FIRST INCIDENCE	---	---	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.263	(e)	P=0.242	P=0.514
POLY 1.5	P=0.255	(e)	P=0.240	P=0.508
POLY 6	P=0.275	(e)	P=0.245	P=0.523
RAO-SCOTT	P=0.327	(e)	P=0.323	P=0.581
LITTER C-A/FISHERS	P=0.245	(e)	P=0.246	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Artery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	1.4%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Artery, Mediastinum Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lung: Epithelium Alveolus  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	2/90 (2%)	2/90 (2%)	6/90 (7%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	6/35 (17%)	2/35 (6%)
POLY-3 RATE (c)	2/69.46	2/75.67	6/71.32	2/74.61
POLY-3 PERCENT (g)	2.9%	2.6%	8.4%	2.7%
TERMINAL (d)	2/48 (4%)	2/53 (4%)	3/48 (6%)	2/57 (4%)
FIRST INCIDENCE	737 (T)	737 (T)	656	737 (T)

---

**STATISTICAL TESTS**

POLY 3	P=0.535	P=0.662N	P=0.145	P=0.667N
POLY 1.5	P=0.518	P=0.675N	P=0.141	P=0.679N
POLY 6	P=0.558	P=0.647N	P=0.152	P=0.651N
RAO-SCOTT	P=0.523	P=0.644N	P=0.165	P=0.648N
LITTER C-A/FISHERS	P=0.500	P=0.693	P=0.130	P=0.693

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lung: Interstitium</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/69.74	1/74.94
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/47 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/89 (2%)	4/89 (4%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	4/35 (11%)	3/35 (9%)
POLY-3 RATE (c)	0/69.46	2/75.20	4/70.20	3/74.74
POLY-3 PERCENT (g)	0%	2.7%	5.7%	4%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	2/47 (4%)	2/57 (4%)
FIRST INCIDENCE	---	584	621	702
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.135	P=0.256	P=0.064	P=0.134
POLY 1.5	P=0.126	P=0.248	P=0.063	P=0.128
POLY 6	P=0.148	P=0.266	P=0.066	P=0.143
RAO-SCOTT	P=0.153	P=0.276	P=0.084	P=0.159
LITTER C-A/FISHERS	P=0.111	P=0.246	P=0.057	P=0.120



Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	46/90 (51%)	40/89 (45%)	44/89 (49%)	51/90 (57%)
LITTERS (b)	27/35 (77%)	28/35 (80%)	27/35 (77%)	28/35 (80%)
POLY-3 RATE (c)	46/75.41	40/78.50	44/74.63	51/79.63
POLY-3 PERCENT (g)	61%	51%	59%	64.1%
TERMINAL (d)	31/48 (65%)	30/53 (57%)	30/47 (64%)	36/57 (63%)
FIRST INCIDENCE	489	464	489	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197	P=0.128N	P=0.463N	P=0.407
POLY 1.5	P=0.173	P=0.168N	P=0.471N	P=0.342
POLY 6	P=0.247	P=0.100N	P=0.445N	P=0.500
RAO-SCOTT	P=0.221	P=0.142N	P=0.459N	P=0.408
LITTER C-A/FISHERS	P=0.472	P=0.500	P=0.612	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Infiltration Cellular Polymorphonuclear</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/69.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/47 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	68/90 (76%)	57/89 (64%)	65/89 (73%)	56/90 (62%)
LITTERS (b)	33/35 (94%)	34/35 (97%)	32/35 (91%)	31/35 (89%)
POLY-3 RATE (c)	68/83.72	57/81.86	65/81.56	56/82.18
POLY-3 PERCENT (g)	81.2%	69.6%	79.7%	68.1%
TERMINAL (d)	37/48 (77%)	37/53 (70%)	37/47 (79%)	36/57 (63%)
FIRST INCIDENCE	464	464	450	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.069N	P=0.052N	P=0.478N	P=0.033N*
POLY 1.5	P=0.069N	P=0.050N*	P=0.454N	P=0.032N*
POLY 6	P=0.067N	P=0.066N	P=0.499N	P=0.036N*
RAO-SCOTT	P=0.080N	P=0.061N	P=0.475N	P=0.040N*
LITTER C-A/FISHERS	P=0.159N	P=0.500	P=0.500N	P=0.337N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mandibular: Lymphatic Sinus Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	3/89 (3%)	7/89 (8%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	7/35 (20%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	3/74.70	7/69.74	1/74.61
POLY-3 PERCENT (g)	1.4%	4%	10%	1.3%
TERMINAL (d)	1/48 (2%)	3/53 (6%)	7/47 (15%)	1/57 (2%)
FIRST INCIDENCE	737 (T)	737 (T)	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.533N	P=0.333	P=0.033*	P=0.745N
POLY 1.5	P=0.554N	P=0.320	P=0.033*	P=0.752N
POLY 6	P=0.505N	P=0.347	P=0.034*	P=0.735N
RAO-SCOTT	P=0.551N	P=0.348	P=0.051	P=0.722N
LITTER C-A/FISHERS	P=0.581	P=0.307	P=0.027*	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	3/90 (3%)	3/90 (3%)	5/90 (6%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	3/35 (9%)	4/35 (11%)
POLY-3 RATE (c)	1/69.57	3/75.67	3/70.74	5/74.68
POLY-3 PERCENT (g)	1.4%	4%	4.2%	6.7%
TERMINAL (d)	0/48 (0%)	3/53 (6%)	3/48 (6%)	4/57 (7%)
FIRST INCIDENCE	709	737 (T)	737 (T)	720
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.093	P=0.337	P=0.312	P=0.122
POLY 1.5	P=0.088	P=0.324	P=0.309	P=0.114
POLY 6	P=0.101	P=0.351	P=0.317	P=0.133
RAO-SCOTT	P=0.122	P=0.361	P=0.333	P=0.155
LITTER C-A/FISHERS	P=0.157	P=0.307	P=0.307	P=0.178

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	1/75.67	0/70.74	1/74.61
POLY-3 PERCENT (g)	0%	1.3%	0%	1.3%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	---	737 (T)	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	3/90 (3%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	2/71.16	3/75.75	2/70.74	1/75.55
POLY-3 PERCENT (g)	2.8%	4%	2.8%	1.3%
TERMINAL (d)	0/48 (0%)	2/53 (4%)	2/48 (4%)	0/57 (0%)
FIRST INCIDENCE	268	716	737 (T)	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.297N	P=0.528	P=0.691	P=0.479N
POLY 1.5	P=0.306N	P=0.516	P=0.690	P=0.489N
POLY 6	P=0.285N	P=0.544	P=0.693N	P=0.466N
RAO-SCOTT	P=0.302N	P=0.508	P=0.660	P=0.456N
LITTER C-A/FISHERS	P=0.311N	P=0.500	P=0.693	P=0.500N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric Infiltration Cellular Polymorphonuclear</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node, Mesenteric: Lymphatic Sinus  
Ectasia

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	1/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	1.3%	0%	0%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node, Mesenteric: Lymphocyte Depletion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Bronchial  
Erythrophagocytosis

---

**LESION RATES**

OVERALL (a)	0/13 (0%)	0/14 (0%)	0/21 (0%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	0/13 (0%)	0/19 (0%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	0/12.01	0/17.37	0/10.95
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Lymph Node: Iliac Erythrophagocytosis				
<b>LESION RATES</b>				
OVERALL (a)	3/13 (23%)	1/14 (7%)	3/21 (14%)	2/14 (14%)
LITTERS (b)	3/13 (23%)	1/13 (8%)	3/19 (16%)	2/12 (17%)
POLY-3 RATE (c)	3/11.27	1/12.01	3/17.37	2/11.26
POLY-3 PERCENT (g)	26.6%	8.3%	17.3%	17.8%
TERMINAL (d)	3/6 (50%)	1/7 (14%)	3/11 (27%)	1/7 (14%)
FIRST INCIDENCE	737 (T)	737 (T)	737 (T)	651
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.500N	P=0.268N	P=0.448N	P=0.501N
POLY 1.5	P=0.495N	P=0.269N	P=0.443N	P=0.494N
POLY 6	P=0.494N	P=0.265N	P=0.448N	P=0.493N
RAO-SCOTT	P=0.499N	P=0.274N	P=0.443N	P=0.488N
LITTER C-A/FISHERS	P=0.539N	P=0.297N	P=0.470N	P=0.541N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/13 (8%)	0/14 (0%)	2/21 (10%)	2/14 (14%)
LITTERS (b)	1/13 (8%)	0/13 (0%)	2/19 (11%)	2/12 (17%)
POLY-3 RATE (c)	1/11.55	0/12.01	2/17.62	2/10.95
POLY-3 PERCENT (g)	8.7%	0%	11.4%	18.3%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	1/11 (9%)	2/7 (29%)
FIRST INCIDENCE	662	---	669	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.224	P=0.492N	P=0.649	P=0.481
POLY 1.5	P=0.233	P=0.489N	P=0.654	P=0.495
POLY 6	P=0.218	P=0.497N	P=0.647	P=0.469
RAO-SCOTT	P=0.234	P=0.514N	P=0.649	P=0.483
LITTER C-A/FISHERS	P=0.217	P=0.500N	P=0.644	P=0.469

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Iliac  
Infiltration Cellular Histiocyte

---

**LESION RATES**

OVERALL (a)	0/13 (0%)	0/14 (0%)	1/21 (5%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	0/13 (0%)	1/19 (5%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	0/12.01	1/17.37	0/10.95
POLY-3 PERCENT (g)	0%	0%	5.8%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	1/11 (9%)	0/7 (0%)
FIRST INCIDENCE	---	---	737 (T)	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/13 (46%)	1/14 (7%)	2/21 (10%)	0/14 (0%)
LITTERS (b)	6/13 (46%)	1/13 (8%)	2/19 (11%)	0/12 (0%)
POLY-3 RATE (c)	6/12.11	1/12.01	2/17.62	0/10.95
POLY-3 PERCENT (g)	49.6%	8.3%	11.4%	0%
TERMINAL (d)	3/6 (50%)	1/7 (14%)	1/11 (9%)	0/7 (0%)
FIRST INCIDENCE	629	737 (T)	669	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002N**	P=0.027N*	P=0.020N*	P=0.005N**
POLY 1.5	P=0.002N**	P=0.024N*	P=0.018N*	P=0.004N**
POLY 6	P=0.002N**	P=0.032N*	P=0.023N*	P=0.007N**
RAO-SCOTT	P=0.010N**	P=0.056N	P=0.046N*	P=0.022N*
LITTER C-A/FISHERS	P=0.006N**	P=0.037N*	P=0.031N*	P=0.010N**

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Iliac, Lymphatic Sinus Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/13 (0%)	1/14 (7%)	3/21 (14%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	1/13 (8%)	3/19 (16%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	1/12.01	3/17.37	0/10.95
POLY-3 PERCENT (g)	0%	8.3%	17.3%	0%
TERMINAL (d)	0/6 (0%)	1/7 (14%)	3/11 (27%)	0/7 (0%)
FIRST INCIDENCE	---	737 (T)	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.617	P=0.513	P=0.194	(e)
POLY 1.5	P=0.633	P=0.514	P=0.199	(e)
POLY 6	P=0.612	P=0.513	P=0.192	(e)
RAO-SCOTT	P=0.630N	P=0.561	P=0.251	(e)
LITTER C-A/FISHERS	P=0.639	P=0.500	P=0.195	(e)



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Lumbar Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/13 (8%)	1/14 (7%)	1/21 (5%)	1/14 (7%)
LITTERS (b)	1/13 (8%)	1/13 (8%)	1/19 (5%)	1/12 (8%)
POLY-3 RATE (c)	1/11.86	1/12.47	1/17.37	1/11.26
POLY-3 PERCENT (g)	8.4%	8%	5.8%	8.9%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	1/11 (9%)	0/7 (0%)
FIRST INCIDENCE	550	602	737 (T)	651
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

Lymph Node: Lumbar  
Hyperplasia Lymphocyte

LESION RATES

OVERALL (a)	0/13 (0%)	2/14 (14%)	0/21 (0%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	2/13 (15%)	0/19 (0%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	2/12.10	0/17.37	0/10.95
POLY-3 PERCENT (g)	0%	16.5%	0%	0%
TERMINAL (d)	0/6 (0%)	1/7 (14%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	---	716	---	---

STATISTICAL TESTS

POLY 3	P=0.388N	P=0.245	(e)	(e)
POLY 1.5	P=0.384N	P=0.246	(e)	(e)
POLY 6	P=0.387N	P=0.245	(e)	(e)
RAO-SCOTT	P=0.479N	P=0.412	(e)	(e)
LITTER C-A/FISHERS	P=0.403N	P=0.240	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Lumbar Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/13 (0%)	2/14 (14%)	1/21 (5%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	2/13 (15%)	1/19 (5%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	2/12.10	1/17.65	0/10.95
POLY-3 PERCENT (g)	0%	16.5%	5.7%	0%
TERMINAL (d)	0/6 (0%)	1/7 (14%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	---	716	661	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.459N	P=0.245	P=0.590	(e)
POLY 1.5	P=0.451N	P=0.246	P=0.590	(e)
POLY 6	P=0.460N	P=0.245	P=0.592	(e)
RAO-SCOTT	P=0.479N	P=0.339	P=0.655	(e)
LITTER C-A/FISHERS	P=0.464N	P=0.240	P=0.594	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Lumbar, Lymphatic Sinus  
Ectasia

---

**LESION RATES**

OVERALL (a)	0/13 (0%)	1/14 (7%)	0/21 (0%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	1/13 (8%)	0/19 (0%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	1/12.16	0/17.37	0/10.95
POLY-3 PERCENT (g)	0%	8.2%	0%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	---	699	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

**Lymph Node: Mediastinal Congestion**

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**LESION RATES**

OVERALL (a)	1/13 (8%)	0/14 (0%)	1/21 (5%)	0/14 (0%)
LITTERS (b)	1/13 (8%)	0/13 (0%)	1/19 (5%)	0/12 (0%)
POLY-3 RATE (c)	1/11.45	0/12.01	1/17.53	0/10.95
POLY-3 PERCENT (g)	8.7%	0%	5.7%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	690	---	695	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Mediastinal Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/13 (0%)	3/14 (21%)	5/21 (24%)	3/14 (21%)
LITTERS (b)	0/13 (0%)	3/13 (23%)	5/19 (26%)	3/12 (25%)
POLY-3 RATE (c)	0/11.27	3/12.39	5/18.07	3/10.95
POLY-3 PERCENT (g)	0%	24.2%	27.7%	27.4%
TERMINAL (d)	0/6 (0%)	2/7 (29%)	2/11 (18%)	3/7 (43%)
FIRST INCIDENCE	---	631	628	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.112	P=0.118	P=0.068	P=0.093
POLY 1.5	P=0.125	P=0.118	P=0.069	P=0.100
POLY 6	P=0.105	P=0.120	P=0.071	P=0.089
RAO-SCOTT	P=0.130	P=0.141	P=0.089	P=0.110
LITTER C-A/FISHERS	P=0.117	P=0.110	P=0.058	P=0.096

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Mediastinal Hyperplasia Lymphocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/13 (0%)	0/14 (0%)	2/21 (10%)	1/14 (7%)
LITTERS (b)	0/13 (0%)	0/13 (0%)	2/19 (11%)	1/12 (8%)
POLY-3 RATE (c)	0/11.27	0/12.01	2/17.44	1/10.95
POLY-3 PERCENT (g)	0%	0%	11.5%	9.1%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	1/11 (9%)	1/7 (14%)
FIRST INCIDENCE	---	---	720	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.216	(e)	P=0.334	P=0.494
POLY 1.5	P=0.226	(e)	P=0.338	P=0.500
POLY 6	P=0.212	(e)	P=0.334	P=0.492
RAO-SCOTT	P=0.275	(e)	P=0.409	P=0.550
LITTER C-A/FISHERS	P=0.221	(e)	P=0.345	P=0.480

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Mediastinal Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/13 (8%)	0/14 (0%)	3/21 (14%)	0/14 (0%)
LITTERS (b)	1/13 (8%)	0/13 (0%)	3/19 (16%)	0/12 (0%)
POLY-3 RATE (c)	1/11.45	0/12.01	3/17.69	0/10.95
POLY-3 PERCENT (g)	8.7%	0%	17%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	1/11 (9%)	0/7 (0%)
FIRST INCIDENCE	690	---	671	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.509N	P=0.490N	P=0.469	P=0.509N
POLY 1.5	P=0.497N	P=0.488N	P=0.474	P=0.502N
POLY 6	P=0.515N	P=0.494N	P=0.468	P=0.514N
RAO-SCOTT	P=0.504N	P=0.548N	P=0.502	P=0.544N
LITTER C-A/FISHERS	P=0.508N	P=0.500N	P=0.458	P=0.520N



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Pancreatic Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/13 (8%)	1/14 (7%)	1/21 (5%)	0/14 (0%)
LITTERS (b)	1/13 (8%)	1/13 (8%)	1/19 (5%)	0/12 (0%)
POLY-3 RATE (c)	1/11.27	1/12.01	1/17.37	0/10.95
POLY-3 PERCENT (g)	8.9%	8.3%	5.8%	0%
TERMINAL (d)	1/6 (17%)	1/7 (14%)	1/11 (9%)	0/7 (0%)
FIRST INCIDENCE	737 (T)	737 (T)	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Renal Erythrophagocytosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/13 (0%)	2/14 (14%)	1/21 (5%)	2/14 (14%)
LITTERS (b)	0/13 (0%)	2/13 (15%)	1/19 (5%)	2/12 (17%)
POLY-3 RATE (c)	0/11.27	2/12.03	1/17.73	2/10.99
POLY-3 PERCENT (g)	0%	16.6%	5.6%	18.2%
TERMINAL (d)	0/6 (0%)	1/7 (14%)	0/11 (0%)	1/7 (14%)
FIRST INCIDENCE	---	732	636	727
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.224	P=0.243	P=0.590	P=0.221
POLY 1.5	P=0.232	P=0.245	P=0.591	P=0.228
POLY 6	P=0.222	P=0.242	P=0.594	P=0.219
RAO-SCOTT	P=0.260	P=0.309	P=0.631	P=0.277
LITTER C-A/FISHERS	P=0.217	P=0.240	P=0.594	P=0.220

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Lymph Node: Renal Proliferation Plasma Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/13 (0%)	0/14 (0%)	0/21 (0%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	0/13 (0%)	0/19 (0%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	0/12.01	0/17.37	0/10.95
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Lymph Node: Renal, Lymphatic Sinus  
Ectasia

---

**LESION RATES**

OVERALL (a)	0/13 (0%)	1/14 (7%)	0/21 (0%)	0/14 (0%)
LITTERS (b)	0/13 (0%)	1/13 (8%)	0/19 (0%)	0/12 (0%)
POLY-3 RATE (c)	0/11.27	1/12.16	0/17.37	0/10.95
POLY-3 PERCENT (g)	0%	8.2%	0%	0%
TERMINAL (d)	0/6 (0%)	0/7 (0%)	0/11 (0%)	0/7 (0%)
FIRST INCIDENCE	---	699	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.67	0/69.80	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/52 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland</b>				
<b>Galactocele</b>				
<b>LESION RATES</b>				
OVERALL (a)	24/90 (27%)	18/89 (20%)	14/89 (16%)	10/90 (11%)
LITTERS (b)	17/35 (49%)	16/35 (46%)	12/35 (34%)	8/35 (23%)
POLY-3 RATE (c)	24/74.46	18/77.52	14/73.63	10/77.28
POLY-3 PERCENT (g)	32.2%	23.2%	19%	12.9%
TERMINAL (d)	13/48 (27%)	11/52 (21%)	5/48 (10%)	4/57 (7%)
FIRST INCIDENCE	464	464	489	487
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003N**	P=0.142N	P=0.046N*	P=0.003N**
POLY 1.5	P=0.003N**	P=0.162N	P=0.049N*	P=0.004N**
POLY 6	P=0.002N**	P=0.124N	P=0.043N*	P=0.002N**
RAO-SCOTT	P=0.005N**	P=0.162N	P=0.062N	P=0.007N**
LITTER C-A/FISHERS	P=0.010N**	P=0.500N	P=0.166N	P=0.022N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	49/90 (54%)	41/89 (46%)	51/89 (57%)	28/90 (31%)
LITTERS (b)	29/35 (83%)	26/35 (74%)	30/35 (86%)	23/35 (66%)
POLY-3 RATE (c)	49/80.49	41/80.95	51/78.26	28/75.88
POLY-3 PERCENT (g)	60.9%	50.7%	65.2%	36.9%
TERMINAL (d)	25/48 (52%)	26/52 (50%)	31/48 (65%)	22/57 (39%)
FIRST INCIDENCE	464	332	383	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004N**	P=0.119N	P=0.341	P<0.001N**
POLY 1.5	P=0.003N**	P=0.131N	P=0.365	P<0.001N**
POLY 6	P=0.006N**	P=0.114N	P=0.323	P=0.002N**
RAO-SCOTT	P=0.005N**	P=0.126N	P=0.342	P=0.002N**
LITTER C-A/FISHERS	P=0.087N	P=0.281N	P=0.500	P=0.085N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mammary Gland</b>				
<b>Hyperplasia Atypical</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/89 (0%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	0/69.46	0/74.67	0/69.80	3/75.00
POLY-3 PERCENT (g)	0%	0%	0%	4%
TERMINAL (d)	0/48 (0%)	0/52 (0%)	0/48 (0%)	2/57 (4%)
FIRST INCIDENCE	---	---	---	624
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	(e)	(e)	P=0.135
POLY 1.5	P=0.012*	(e)	(e)	P=0.129
POLY 6	P=0.012*	(e)	(e)	P=0.144
RAO-SCOTT	P=0.056	(e)	(e)	P=0.242
LITTER C-A/FISHERS	P=0.012*	(e)	(e)	P=0.120



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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**Mammary Gland: Duct  
Dilation**

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<b>LESION RATES</b>				
<b>OVERALL (a)</b>	56/90 (62%)	52/89 (58%)	55/89 (62%)	58/90 (64%)
<b>LITTERS (b)</b>	32/35 (91%)	30/35 (86%)	31/35 (89%)	32/35 (91%)
<b>POLY-3 RATE (c)</b>	56/79.66	52/80.70	55/79.71	58/82.37
<b>POLY-3 PERCENT (g)</b>	70.3%	64.4%	69%	70.4%
<b>TERMINAL (d)</b>	33/48 (69%)	33/52 (64%)	32/48 (67%)	38/57 (67%)
<b>FIRST INCIDENCE</b>	464	464	383	487

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<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.411	P=0.259N	P=0.497N	P=0.564
<b>POLY 1.5</b>	P=0.363	P=0.291N	P=0.508N	P=0.500
<b>POLY 6</b>	P=0.491	P=0.240N	P=0.498N	P=0.495N
<b>RAO-SCOTT</b>	P=0.416	P=0.263N	P=0.491N	P=0.556
<b>LITTER C-A/FISHERS</b>	P=0.482	P=0.355N	P=0.500N	P=0.663

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mesentery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/4 (25%)	0/5 (0%)	1/5 (20%)	0/5 (0%)
LITTERS (b)	1/4 (25%)	0/5 (0%)	1/4 (25%)	0/5 (0%)
POLY-3 RATE (c)	1/3.66	0/4.17	1/4.59	0/4.67
POLY-3 PERCENT (g)	27.3%	0%	21.8%	0%
TERMINAL (d)	0/2 (0%)	0/2 (0%)	0/2 (0%)	0/4 (0%)
FIRST INCIDENCE	690	---	628	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mesentery</b>				
<b>Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/4 (25%)	3/5 (60%)	2/5 (40%)	3/5 (60%)
LITTERS (b)	1/4 (25%)	3/5 (60%)	2/4 (50%)	3/5 (60%)
POLY-3 RATE (c)	1/3.48	3/4.32	2/4.21	3/4.67
POLY-3 PERCENT (g)	28.8%	69.4%	47.5%	64.2%
TERMINAL (d)	1/2 (50%)	2/2 (100%)	2/2 (100%)	3/4 (75%)
FIRST INCIDENCE	737 (T)	699	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.369	P=0.338	P=0.579	P=0.388
POLY 1.5	P=0.353	P=0.350	P=0.581	P=0.374
POLY 6	P=0.409	P=0.320	P=0.573	P=0.417
RAO-SCOTT	P=0.382	P=0.350	P=0.574	P=0.399
LITTER C-A/FISHERS	P=0.319	P=0.357	P=0.500	P=0.357

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Mesentery: Artery  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/4 (0%)	0/5 (0%)	0/5 (0%)	1/5 (20%)
LITTERS (b)	0/4 (0%)	0/5 (0%)	0/4 (0%)	1/5 (20%)
POLY-3 RATE (c)	0/3.48	0/4.17	0/4.21	1/4.67
POLY-3 PERCENT (g)	0%	0%	0%	21.4%
TERMINAL (d)	0/2 (0%)	0/2 (0%)	0/2 (0%)	1/4 (25%)
FIRST INCIDENCE	---	---	---	737 (T)

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Mesentery: Artery</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/4 (0%)	0/5 (0%)	0/5 (0%)	0/5 (0%)
LITTERS (b)	0/4 (0%)	0/5 (0%)	0/4 (0%)	0/5 (0%)
POLY-3 RATE (c)	0/3.48	0/4.17	0/4.21	0/4.67
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/2 (0%)	0/2 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nerve Trigeminal Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	64/84 (76%)	71/88 (81%)	65/89 (73%)	74/90 (82%)
LITTERS (b)	33/35 (94%)	33/35 (94%)	33/35 (94%)	33/35 (94%)
POLY-3 RATE (c)	64/74.62	71/78.91	65/74.80	74/81.05
POLY-3 PERCENT (g)	85.8%	90%	86.9%	91.3%
TERMINAL (d)	41/45 (91%)	49/52 (94%)	44/47 (94%)	54/57 (95%)
FIRST INCIDENCE	464	531	464	489
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.174	P=0.259	P=0.517	P=0.166
POLY 1.5	P=0.181	P=0.260	P=0.565N	P=0.156
POLY 6	P=0.218	P=0.274	P=0.403	P=0.224
RAO-SCOTT	P=0.215	P=0.282	P=0.502	P=0.195
LITTER C-A/FISHERS	P=0.597	P=0.693	P=0.693	P=0.693

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Nose				
Foreign Body				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/71.52	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	450	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose</b>				
Hyperplasia Lymphocyte				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	2/76.33	3/71.81	1/74.61
POLY-3 PERCENT (g)	1.4%	2.6%	4.2%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	737 (T)	584	450	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.552N	P=0.533	P=0.318	P=0.745N
POLY 1.5	P=0.563N	P=0.519	P=0.313	P=0.752N
POLY 6	P=0.536N	P=0.549	P=0.326	P=0.735N
RAO-SCOTT	P=0.555N	P=0.523	P=0.323	P=0.718N
LITTER C-A/FISHERS	P=0.578N	P=0.500	P=0.307	P=0.754

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Nose  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	---	737 (T)	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Nose: Olfactory Epithelium  
Accumulation, Hyaline Droplet

---

**LESION RATES**

OVERALL (a)	89/90 (99%)	86/90 (96%)	88/90 (98%)	87/90 (97%)
LITTERS (b)	35/35 (100%)	35/35 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	89/89.02	86/88.02	88/88.56	87/90.00
POLY-3 PERCENT (g)	100%	97.7%	99.4%	96.7%
TERMINAL (d)	48/48 (100%)	53/53 (100%)	48/48 (100%)	54/57 (95%)
FIRST INCIDENCE	268	332	383	283

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**STATISTICAL TESTS**

POLY 3	P=0.089N	P=0.196N	P=0.793N	P=0.126N
POLY 1.5	P=0.138N	P=0.165N	P=0.658N	P=0.142N
POLY 6	P=0.050N*	P=0.313N	P=0.987N	P=0.123N
RAO-SCOTT	P=0.152N	P=0.316N	P=0.794N	P=0.190N
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Olfactory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Olfactory Epithelium Metaplasia Respiratory</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	1.4%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Respiratory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/90 (13%)	8/90 (9%)	10/90 (11%)	10/90 (11%)
LITTERS (b)	10/35 (29%)	7/35 (20%)	8/35 (23%)	9/35 (26%)
POLY-3 RATE (c)	12/73.72	8/77.00	10/73.30	10/77.73
POLY-3 PERCENT (g)	16.3%	10.4%	13.6%	12.9%
TERMINAL (d)	4/48 (8%)	4/53 (8%)	2/48 (4%)	3/57 (5%)
FIRST INCIDENCE	464	531	492	299
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.423N	P=0.204N	P=0.414N	P=0.358N
POLY 1.5	P=0.437N	P=0.217N	P=0.415N	P=0.380N
POLY 6	P=0.402N	P=0.191N	P=0.408N	P=0.330N
RAO-SCOTT	P=0.422N	P=0.220N	P=0.416N	P=0.365N
LITTER C-A/FISHERS	P=0.527N	P=0.289N	P=0.393N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Nose: Respiratory Epithelium Atrophy

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/70.91	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	695	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	2/71.52	0/74.61
POLY-3 PERCENT (g)	0%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	---	450	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.620	(e)	P=0.245	(e)
POLY 1.5	P=0.608	(e)	P=0.242	(e)
POLY 6	P=0.636	(e)	P=0.249	(e)
RAO-SCOTT	P=0.642	(e)	P=0.372	(e)
LITTER C-A/FISHERS	P=0.595	(e)	P=0.246	(e)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Ovary Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	72/90 (80%)	63/90 (70%)	66/90 (73%)	71/90 (79%)
LITTERS (b)	35/35 (100%)	34/35 (97%)	31/35 (89%)	33/35 (94%)
POLY-3 RATE (c)	72/83.26	63/85.21	66/82.80	71/86.43
POLY-3 PERCENT (g)	86.5%	73.9%	79.7%	82.2%
TERMINAL (d)	42/48 (88%)	37/53 (70%)	38/48 (79%)	44/57 (77%)
FIRST INCIDENCE	353	464	383	283
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.492N	P=0.026N*	P=0.152N	P=0.279N
POLY 1.5	P=0.526	P=0.041N*	P=0.158N	P=0.362N
POLY 6	P=0.421N	P=0.017N*	P=0.164N	P=0.198N
RAO-SCOTT	P=0.487N	P=0.042N*	P=0.186N	P=0.302N
LITTER C-A/FISHERS	P=0.163N	P=0.500N	P=0.057N	P=0.246N

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Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Ovary Cyst				
<b>LESION RATES</b>				
OVERALL (a)	22/90 (24%)	24/90 (27%)	23/90 (26%)	27/90 (30%)
LITTERS (b)	17/35 (49%)	21/35 (60%)	21/35 (60%)	20/35 (57%)
POLY-3 RATE (c)	22/73.62	24/78.14	23/72.17	27/77.31
POLY-3 PERCENT (g)	29.9%	30.7%	31.9%	34.9%
TERMINAL (d)	13/48 (27%)	17/53 (32%)	18/48 (38%)	19/57 (33%)
FIRST INCIDENCE	508	464	579	545
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.261	P=0.526	P=0.468	P=0.311
POLY 1.5	P=0.244	P=0.489	P=0.479	P=0.280
POLY 6	P=0.294	P=0.564	P=0.458	P=0.357
RAO-SCOTT	P=0.272	P=0.519	P=0.461	P=0.315
LITTER C-A/FISHERS	P=0.333	P=0.236	P=0.236	P=0.316

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Ovary</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	3/74.61
POLY-3 PERCENT (g)	0%	0%	0%	4%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	3/57 (5%)
FIRST INCIDENCE	---	---	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	(e)	(e)	P=0.134
POLY 1.5	P=0.012*	(e)	(e)	P=0.128
POLY 6	P=0.012*	(e)	(e)	P=0.142
RAO-SCOTT	P=0.055	(e)	(e)	P=0.241
LITTER C-A/FISHERS	P=0.012*	(e)	(e)	P=0.120

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Ovary: Bursa Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	5/90 (6%)	6/90 (7%)	6/90 (7%)
LITTERS (b)	4/35 (11%)	5/35 (14%)	6/35 (17%)	6/35 (17%)
POLY-3 RATE (c)	4/69.85	5/75.67	6/71.11	6/75.43
POLY-3 PERCENT (g)	5.7%	6.6%	8.4%	8%
TERMINAL (d)	3/48 (6%)	5/53 (9%)	5/48 (10%)	3/57 (5%)
FIRST INCIDENCE	622	737 (T)	634	624
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.348	P=0.549	P=0.383	P=0.420
POLY 1.5	P=0.330	P=0.529	P=0.377	P=0.398
POLY 6	P=0.375	P=0.571	P=0.391	P=0.451
RAO-SCOTT	P=0.335	P=0.523	P=0.357	P=0.396
LITTER C-A/FISHERS	P=0.301	P=0.500	P=0.367	P=0.367

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Ovary: Interstitial Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/76.45	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	2.6%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	493	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.379N	P=0.260	(e)	(e)
POLY 1.5	P=0.391N	P=0.251	(e)	(e)
POLY 6	P=0.365N	P=0.271	(e)	(e)
RAO-SCOTT	P=0.474N	P=0.374	(e)	(e)
LITTER C-A/FISHERS	P=0.405N	P=0.246	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Ovary: Rete Ovarii Hyperplasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	15/90 (17%)	25/90 (28%)	13/90 (14%)	12/90 (13%)
LITTERS (b)	13/35 (37%)	19/35 (54%)	12/35 (34%)	12/35 (34%)
POLY-3 RATE (c)	15/70.79	25/77.87	13/71.76	12/74.61
POLY-3 PERCENT (g)	21.2%	32.1%	18.1%	16.1%
TERMINAL (d)	11/48 (23%)	17/53 (32%)	9/48 (19%)	12/57 (21%)
FIRST INCIDENCE	608	332	579	737 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.073N	P=0.091	P=0.400N	P=0.280N
POLY 1.5	P=0.084N	P=0.073	P=0.410N	P=0.306N
POLY 6	P=0.062N	P=0.116	P=0.386N	P=0.251N
RAO-SCOTT	P=0.090N	P=0.100	P=0.393N	P=0.280N
LITTER C-A/FISHERS	P=0.242N	P=0.115	P=0.500N	P=0.500N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	2/90 (2%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/69.64	0/75.67	2/71.13	0/72.60
POLY-3 PERCENT (g)	1.4%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	690	---	628	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.461N	P=0.483N	P=0.507	P=0.492N
POLY 1.5	P=0.466N	P=0.490N	P=0.504	P=0.499N
POLY 6	P=0.453N	P=0.476N	P=0.513	P=0.482N
RAO-SCOTT	P=0.498N	P=0.554N	P=0.539	P=0.560N
LITTER C-A/FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	4/90 (4%)	4/90 (4%)	5/87 (6%)
LITTERS (b)	5/35 (14%)	4/35 (11%)	4/35 (11%)	5/35 (14%)
POLY-3 RATE (c)	5/70.16	4/76.47	4/71.02	5/74.26
POLY-3 PERCENT (g)	7.1%	5.2%	5.6%	6.7%
TERMINAL (d)	4/48 (8%)	2/53 (4%)	3/48 (6%)	2/57 (4%)
FIRST INCIDENCE	492	493	662	443
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.547	P=0.447N	P=0.492N	P=0.592N
POLY 1.5	P=0.529	P=0.469N	P=0.497N	P=0.618N
POLY 6	P=0.567N	P=0.422N	P=0.484N	P=0.556N
RAO-SCOTT	P=0.543	P=0.423N	P=0.464N	P=0.570N
LITTER C-A/FISHERS	P=0.534	P=0.500N	P=0.500N	P=0.633

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Acinus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	5/90 (6%)	2/87 (2%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	5/35 (14%)	2/35 (6%)
POLY-3 RATE (c)	1/69.46	2/75.67	5/71.15	2/72.60
POLY-3 PERCENT (g)	1.4%	2.6%	7%	2.8%
TERMINAL (d)	1/48 (2%)	2/53 (4%)	4/48 (8%)	2/57 (4%)
FIRST INCIDENCE	737 (T)	737 (T)	621	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.395	P=0.530	P=0.110	P=0.515
POLY 1.5	P=0.376	P=0.517	P=0.108	P=0.503
POLY 6	P=0.423	P=0.544	P=0.114	P=0.533
RAO-SCOTT	P=0.392	P=0.522	P=0.129	P=0.508
LITTER C-A/FISHERS	P=0.370	P=0.500	P=0.099	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	1/87 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	2/75.75	1/70.74	1/72.60
POLY-3 PERCENT (g)	0%	2.6%	1.4%	1.4%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	---	722	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.525	P=0.258	P=0.504	P=0.509
POLY 1.5	P=0.508	P=0.250	P=0.502	P=0.502
POLY 6	P=0.548	P=0.268	P=0.507	P=0.519
RAO-SCOTT	P=0.509	P=0.278	P=0.490	P=0.505
LITTER C-A/FISHERS	P=0.500	P=0.246	P=0.500	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Pancreas: Artery  
Mineral

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/72.60
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pancreas: Periductal Cholangiofibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	7/90 (8%)	4/87 (5%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	6/35 (17%)	4/35 (11%)
POLY-3 RATE (c)	0/69.46	0/75.67	7/72.48	4/73.00
POLY-3 PERCENT (g)	0%	0%	9.7%	5.5%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	2/48 (4%)	3/57 (5%)
FIRST INCIDENCE	---	---	492	622
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022*	(e)	P=0.011*	P=0.069
POLY 1.5	P=0.020*	(e)	P=0.010**	P=0.064
POLY 6	P=0.027*	(e)	P=0.012*	P=0.077
RAO-SCOTT	P=0.058	(e)	P=0.038*	P=0.136
LITTER C-A/FISHERS	P=0.018*	(e)	P=0.012*	P=0.057

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Parathyroid Gland Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/87 (15%)	4/79 (5%)	9/82 (11%)	6/79 (8%)
LITTERS (b)	11/35 (31%)	4/35 (11%)	9/34 (26%)	6/34 (18%)
POLY-3 RATE (c)	13/68.73	4/68.21	9/65.74	6/65.99
POLY-3 PERCENT (g)	18.9%	5.9%	13.7%	9.1%
TERMINAL (d)	8/46 (17%)	3/50 (6%)	6/44 (14%)	5/51 (10%)
FIRST INCIDENCE	547	699	619	624
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.158N	P=0.018N*	P=0.278N	P=0.080N
POLY 1.5	P=0.162N	P=0.023N*	P=0.287N	P=0.092N
POLY 6	P=0.151N	P=0.014N*	P=0.266N	P=0.067N
RAO-SCOTT	P=0.164N	P=0.027N*	P=0.288N	P=0.096N
LITTER C-A/FISHERS	P=0.244N	P=0.039N*	P=0.426N	P=0.147N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/87 (0%)	1/79 (1%)	2/82 (2%)	1/79 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/34 (6%)	1/34 (3%)
POLY-3 RATE (c)	0/66.85	1/68.22	2/64.80	1/65.59
POLY-3 PERCENT (g)	0%	1.5%	3.1%	1.5%
TERMINAL (d)	0/46 (0%)	0/50 (0%)	2/44 (5%)	1/51 (2%)
FIRST INCIDENCE	---	696	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.375	P=0.504	P=0.231	P=0.496
POLY 1.5	P=0.361	P=0.494	P=0.228	P=0.489
POLY 6	P=0.393	P=0.516	P=0.235	P=0.506
RAO-SCOTT	P=0.377	P=0.508	P=0.250	P=0.495
LITTER C-A/FISHERS	P=0.356	P=0.500	P=0.239	P=0.493

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Parathyroid Gland Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/87 (3%)	0/79 (0%)	2/82 (2%)	0/79 (0%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	2/34 (6%)	0/34 (0%)
POLY-3 RATE (c)	3/67.45	0/68.06	2/65.33	0/65.59
POLY-3 PERCENT (g)	4.5%	0%	3.1%	0%
TERMINAL (d)	2/46 (4%)	0/50 (0%)	0/44 (0%)	0/51 (0%)
FIRST INCIDENCE	547	---	661	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.142N	P=0.119N	P=0.514N	P=0.125N
POLY 1.5	P=0.141N	P=0.127N	P=0.521N	P=0.132N
POLY 6	P=0.143N	P=0.110N	P=0.504N	P=0.117N
RAO-SCOTT	P=0.187N	P=0.183N	P=0.530N	P=0.187N
LITTER C-A/FISHERS	P=0.130N	P=0.120N	P=0.514N	P=0.125N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Peripheral Nerve, Sciatic Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	80/90 (89%)	84/90 (93%)	81/90 (90%)	84/90 (93%)
LITTERS (b)	35/35 (100%)	34/35 (97%)	34/35 (97%)	35/35 (100%)
POLY-3 RATE (c)	80/84.63	84/85.48	81/83.69	84/84.92
POLY-3 PERCENT (g)	94.5%	98.3%	96.8%	98.9%
TERMINAL (d)	47/48 (98%)	53/53 (100%)	48/48 (100%)	57/57 (100%)
FIRST INCIDENCE	202	464	383	443
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.045*	P=0.115	P=0.324	P=0.060
POLY 1.5	P=0.078	P=0.124	P=0.377	P=0.073
POLY 6	P=0.059	P=0.157	P=0.302	P=0.121
RAO-SCOTT	P=0.113	P=0.179	P=0.359	P=0.116
LITTER C-A/FISHERS	P=0.595	P=0.500N	P=0.500N	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Peripheral Nerve, Tibial Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	77/90 (86%)	83/90 (92%)	80/90 (89%)	80/89 (90%)
LITTERS (b)	35/35 (100%)	34/35 (97%)	34/35 (97%)	35/35 (100%)
POLY-3 RATE (c)	77/81.42	83/85.69	80/82.97	80/82.53
POLY-3 PERCENT (g)	94.6%	96.9%	96.4%	96.9%
TERMINAL (d)	48/48 (100%)	52/53 (98%)	47/48 (98%)	57/57 (100%)
FIRST INCIDENCE	353	464	439	370
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.272	P=0.314	P=0.391	P=0.296
POLY 1.5	P=0.255	P=0.170	P=0.314	P=0.233
POLY 6	P=0.415	P=0.695	P=0.689	P=0.598
RAO-SCOTT	P=0.321	P=0.352	P=0.410	P=0.345
LITTER C-A/FISHERS	P=0.595	P=0.500N	P=0.500N	(e)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Distalis Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.124N	P=0.220N	P=0.234N	P=0.223N
POLY 1.5	P=0.120N	P=0.227N	P=0.236N	P=0.230N
POLY 6	P=0.129N	P=0.211N	P=0.230N	P=0.214N
RAO-SCOTT	P=0.223N	P=0.355N	P=0.360N	P=0.356N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Pituitary Gland: Pars Distalis  
Cyst

---

**LESION RATES**

OVERALL (a)	7/90 (8%)	3/90 (3%)	4/90 (4%)	4/90 (4%)
LITTERS (b)	6/35 (17%)	3/35 (9%)	4/35 (11%)	4/35 (11%)
POLY-3 RATE (c)	7/69.46	3/75.83	4/71.81	4/75.15
POLY-3 PERCENT (g)	10.1%	4%	5.6%	5.3%
TERMINAL (d)	7/48 (15%)	2/53 (4%)	2/48 (4%)	2/57 (4%)
FIRST INCIDENCE	737 (T)	696	489	656

---

**STATISTICAL TESTS**

POLY 3	P=0.269N	P=0.129N	P=0.246N	P=0.222N
POLY 1.5	P=0.277N	P=0.143N	P=0.256N	P=0.243N
POLY 6	P=0.258N	P=0.114N	P=0.232N	P=0.197N
RAO-SCOTT	P=0.273N	P=0.150N	P=0.261N	P=0.240N
LITTER C-A/FISHERS	P=0.380N	P=0.239N	P=0.367N	P=0.367N

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

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Pituitary Gland: Pars Distalis  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	20/90 (22%)	26/90 (29%)	22/90 (24%)	22/90 (24%)
LITTERS (b)	18/35 (51%)	18/35 (51%)	18/35 (51%)	19/35 (54%)
POLY-3 RATE (c)	20/72.39	26/77.88	22/72.45	22/77.95
POLY-3 PERCENT (g)	27.6%	33.4%	30.4%	28.2%
TERMINAL (d)	13/48 (27%)	20/53 (38%)	18/48 (38%)	14/57 (25%)
FIRST INCIDENCE	513	493	383	487

---

**STATISTICAL TESTS**

POLY 3	P=0.457N	P=0.276	P=0.428	P=0.540
POLY 1.5	P=0.501N	P=0.241	P=0.428	P=0.490
POLY 6	P=0.397N	P=0.318	P=0.426	P=0.542N
RAO-SCOTT	P=0.464N	P=0.277	P=0.420	P=0.531
LITTER C-A/FISHERS	P=0.443	P=0.594	P=0.594	P=0.500

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Pituitary Gland: Pars Intermedia Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	3/90 (3%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	3/35 (9%)	3/35 (9%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	3/70.08	3/75.67	2/70.74	2/74.61
POLY-3 PERCENT (g)	4.3%	4%	2.8%	2.7%
TERMINAL (d)	2/48 (4%)	3/53 (6%)	2/48 (4%)	2/57 (4%)
FIRST INCIDENCE	531	737 (T)	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.358N	P=0.625N	P=0.496N	P=0.472N
POLY 1.5	P=0.366N	P=0.640N	P=0.498N	P=0.485N
POLY 6	P=0.348N	P=0.609N	P=0.491N	P=0.454N
RAO-SCOTT	P=0.350N	P=0.600N	P=0.466N	P=0.447N
LITTER C-A/FISHERS	P=0.370N	P=0.663	P=0.500N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Pituitary Gland: Pars Intermedia  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/70.08	0/75.67	1/70.89	0/74.61
POLY-3 PERCENT (g)	1.4%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	531	---	699	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
Test Type: CHRONIC  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: GSM  
CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
Time Report Requested: 13:44:25  
First Dose M/F: 09/16/12 / 09/16/12  
Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Salivary Glands: Artery  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Artery</b>				
<b>Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Salivary Glands: Duct, Parotid Gland  
Dilation

---

**LESION RATES**

OVERALL (a)	1/90 (1%)	0/89 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/69.53	0/74.70	0/70.74	1/74.61
POLY-3 PERCENT (g)	1.4%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	719	---	---	737 (T)

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Parotid Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	11/89 (12%)	8/90 (9%)	4/90 (4%)
LITTERS (b)	4/35 (11%)	10/35 (29%)	7/35 (20%)	4/35 (11%)
POLY-3 RATE (c)	4/69.53	11/77.24	8/73.12	4/75.27
POLY-3 PERCENT (g)	5.8%	14.2%	10.9%	5.3%
TERMINAL (d)	3/48 (6%)	2/53 (4%)	3/48 (6%)	3/57 (5%)
FIRST INCIDENCE	719	464	450	514
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.267N	P=0.077	P=0.207	P=0.598N
POLY 1.5	P=0.293N	P=0.064	P=0.196	P=0.617N
POLY 6	P=0.236N	P=0.095	P=0.224	P=0.572N
RAO-SCOTT	P=0.312N	P=0.099	P=0.229	P=0.587N
LITTER C-A/FISHERS	P=0.341N	P=0.067	P=0.256	P=0.645

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Parotid Gland Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	1/74.61
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	---	---	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Salivary Glands: Sublingual Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	2/74.61
POLY-3 PERCENT (g)	0%	0%	0%	2.7%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	2/57 (4%)
FIRST INCIDENCE	---	---	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.048*	(e)	(e)	P=0.254
POLY 1.5	P=0.047*	(e)	(e)	P=0.247
POLY 6	P=0.048*	(e)	(e)	P=0.264
RAO-SCOTT	P=0.133	(e)	(e)	P=0.376
LITTER C-A/FISHERS	P=0.046*	(e)	(e)	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skeletal Muscle Degeneration</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	7/90 (8%)	4/90 (4%)	3/90 (3%)
LITTERS (b)	3/35 (9%)	5/35 (14%)	3/35 (9%)	3/35 (9%)
POLY-3 RATE (c)	3/69.80	7/76.73	4/72.61	3/74.61
POLY-3 PERCENT (g)	4.3%	9.1%	5.5%	4%
TERMINAL (d)	2/48 (4%)	2/53 (4%)	1/48 (2%)	3/57 (5%)
FIRST INCIDENCE	641	626	450	737 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.346N	P=0.204	P=0.521	P=0.630N
POLY 1.5	P=0.364N	P=0.186	P=0.512	P=0.644N
POLY 6	P=0.325N	P=0.226	P=0.534	P=0.612N
RAO-SCOTT	P=0.391N	P=0.255	P=0.533	P=0.628N
LITTER C-A/FISHERS	P=0.462N	P=0.355	P=0.663	P=0.663

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skeletal Muscle Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	1/74.94
POLY-3 PERCENT (g)	0%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin</b>				
Cyst Epithelial Inclusion				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/90 (2%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	2/76.13	0/70.74	0/74.61
POLY-3 PERCENT (g)	1.4%	2.6%	0%	0%
TERMINAL (d)	1/48 (2%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	602	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.179N	P=0.532	P=0.496N	P=0.486N
POLY 1.5	P=0.183N	P=0.519	P=0.498N	P=0.492N
POLY 6	P=0.173N	P=0.547	P=0.493N	P=0.477N
RAO-SCOTT	P=0.250N	P=0.562	P=0.546N	P=0.547N
LITTER C-A/FISHERS	P=0.187N	P=0.500	P=0.500N	P=0.500N



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Skin				
Hyperkeratosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/69.74	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	1.4%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	660	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Skin				
Ulcer				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	---	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Skin: Epidermis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.86	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	660	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.123N	P=0.221N	P=0.235N	P=0.224N
POLY 1.5	P=0.120N	P=0.228N	P=0.237N	P=0.230N
POLY 6	P=0.127N	P=0.214N	P=0.233N	P=0.216N
RAO-SCOTT	P=0.236N	P=0.374N	P=0.378N	P=0.375N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

**Skin: Subcutaneous Tissue  
Inflammation Chronic**

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**LESION RATES**

OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/71.15	1/74.95
POLY-3 PERCENT (g)	0%	0%	1.4%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	619	641

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Cervical Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	24/90 (27%)	29/90 (32%)	43/90 (48%)	23/90 (26%)
LITTERS (b)	18/35 (51%)	22/35 (63%)	26/35 (74%)	14/35 (40%)
POLY-3 RATE (c)	24/70.99	29/77.14	43/73.78	23/75.89
POLY-3 PERCENT (g)	33.8%	37.6%	58.3%	30.3%
TERMINAL (d)	18/48 (38%)	20/53 (38%)	32/48 (67%)	18/57 (32%)
FIRST INCIDENCE	578	650	545	641
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.378N	P=0.377	P=0.002**	P=0.389N
POLY 1.5	P=0.433N	P=0.322	P=0.002**	P=0.441N
POLY 6	P=0.307N	P=0.446	P=0.002**	P=0.325N
RAO-SCOTT	P=0.410N	P=0.387	P=0.005**	P=0.398N
LITTER C-A/FISHERS	P=0.149N	P=0.235	P=0.041*	P=0.236N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Lumbar Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/90 (11%)	7/90 (8%)	13/90 (14%)	12/90 (13%)
LITTERS (b)	10/35 (29%)	7/35 (20%)	11/35 (31%)	11/35 (31%)
POLY-3 RATE (c)	10/72.25	7/77.16	13/72.99	12/76.86
POLY-3 PERCENT (g)	13.8%	9.1%	17.8%	15.6%
TERMINAL (d)	3/48 (6%)	2/53 (4%)	6/48 (13%)	4/57 (7%)
FIRST INCIDENCE	531	545	619	565
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.263	P=0.255N	P=0.334	P=0.471
POLY 1.5	P=0.248	P=0.274N	P=0.329	P=0.442
POLY 6	P=0.289	P=0.236N	P=0.346	P=0.510
RAO-SCOTT	P=0.274	P=0.257N	P=0.332	P=0.464
LITTER C-A/FISHERS	P=0.316	P=0.289N	P=0.500	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Lumbar: Nerve Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	74/90 (82%)	81/90 (90%)	70/90 (78%)	78/90 (87%)
LITTERS (b)	34/35 (97%)	34/35 (97%)	33/35 (94%)	35/35 (100%)
POLY-3 RATE (c)	74/79.49	81/84.72	70/79.08	78/81.44
POLY-3 PERCENT (g)	93.1%	95.6%	88.5%	95.8%
TERMINAL (d)	47/48 (98%)	52/53 (98%)	46/48 (96%)	57/57 (100%)
FIRST INCIDENCE	492	123	383	545
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.394	P=0.314	P=0.181N	P=0.291
POLY 1.5	P=0.376	P=0.194	P=0.219N	P=0.244
POLY 6	P=0.486	P=0.533	P=0.170N	P=0.468
RAO-SCOTT	P=0.424	P=0.373	P=0.251N	P=0.358
LITTER C-A/FISHERS	P=0.366	P=0.754	P=0.500N	P=0.500



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spinal Cord, Thoracic Degeneration</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	59/90 (66%)	64/90 (71%)	61/90 (68%)	65/90 (72%)
LITTERS (b)	31/35 (89%)	31/35 (89%)	33/35 (94%)	34/35 (97%)
POLY-3 RATE (c)	59/72.42	64/78.50	61/73.76	65/76.49
POLY-3 PERCENT (g)	81.5%	81.5%	82.7%	85%
TERMINAL (d)	47/48 (98%)	50/53 (94%)	48/48 (100%)	56/57 (98%)
FIRST INCIDENCE	608	545	439	600
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.260	P=0.593	P=0.510	P=0.331
POLY 1.5	P=0.236	P=0.417	P=0.465	P=0.251
POLY 6	P=0.312	P=0.379N	P=0.605	P=0.510
RAO-SCOTT	P=0.303	P=0.569	P=0.498	P=0.359
LITTER C-A/FISHERS	P=0.092	P=0.645	P=0.337	P=0.178

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	0%	2.6%	1.4%	0%
TERMINAL (d)	0/48 (0%)	2/53 (4%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.432N	P=0.258	P=0.504	(e)
POLY 1.5	P=0.445N	P=0.250	P=0.502	(e)
POLY 6	P=0.415N	P=0.267	P=0.507	(e)
RAO-SCOTT	P=0.549N	P=0.462	P=0.679	(e)
LITTER C-A/FISHERS	P=0.595N	P=0.500	P=0.500	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen</b>				
<b>Extramedullary Hematopoiesis</b>				
<b>LESION RATES</b>				
OVERALL (a)	80/90 (89%)	77/90 (86%)	78/90 (87%)	78/90 (87%)
LITTERS (b)	34/35 (97%)	34/35 (97%)	34/35 (97%)	35/35 (100%)
POLY-3 RATE (c)	80/86.77	77/86.45	78/84.58	78/84.12
POLY-3 PERCENT (g)	92.2%	89.1%	92.2%	92.7%
TERMINAL (d)	47/48 (98%)	50/53 (94%)	48/48 (100%)	55/57 (97%)
FIRST INCIDENCE	202	123	383	300
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.385	P=0.313N	P=0.625	P=0.571
POLY 1.5	P=0.451	P=0.325N	P=0.568N	P=0.611
POLY 6	P=0.369	P=0.280N	P=0.617	P=0.592
RAO-SCOTT	P=0.408	P=0.350N	P=0.613	P=0.569
LITTER C-A/FISHERS	P=0.311	P=0.754	P=0.754	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	1/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	---	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Spleen Hyperplasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Spleen				
Hyperplasia Lymphocyte				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen Pigment</b>				
<b>LESION RATES</b>				
OVERALL (a)	74/90 (82%)	40/90 (44%)	47/90 (52%)	46/90 (51%)
LITTERS (b)	35/35 (100%)	25/35 (71%)	29/35 (83%)	29/35 (83%)
POLY-3 RATE (c)	74/86.29	40/77.14	47/73.68	46/77.77
POLY-3 PERCENT (g)	85.8%	51.9%	63.8%	59.2%
TERMINAL (d)	43/48 (90%)	33/53 (62%)	38/48 (79%)	38/57 (67%)
FIRST INCIDENCE	202	584	142	290
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P=0.002N**	P<0.001N**
RAO-SCOTT	P=0.007N**	P<0.001N**	P=0.002N**	P<0.001N**
LITTER C-A/FISHERS	P=0.154N	P<0.001N**	P=0.012N*	P=0.012N*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Spleen: Red Pulp Atrophy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	7/90 (8%)	5/90 (6%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	7/35 (20%)	5/35 (14%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	7/71.42	5/76.90	2/71.03	1/74.86
POLY-3 PERCENT (g)	9.8%	6.5%	2.8%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	547	480	695	669
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013N*	P=0.332N	P=0.084N	P=0.028N*
POLY 1.5	P=0.014N*	P=0.352N	P=0.085N	P=0.031N*
POLY 6	P=0.012N*	P=0.313N	P=0.084N	P=0.026N*
RAO-SCOTT	P=0.024N*	P=0.351N	P=0.110N	P=0.046N*
LITTER C-A/FISHERS	P=0.012N*	P=0.376N	P=0.075N	P=0.027N*

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Spleen: Red Pulp  
Hyperplasia

---

LESION RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	2/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	2.6%	0%	0%
TERMINAL (d)	0/48 (0%)	2/53 (4%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	737 (T)	---	---

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STATISTICAL TESTS				
POLY 3	P=0.381N	P=0.258	(e)	(e)
POLY 1.5	P=0.392N	P=0.250	(e)	(e)
POLY 6	P=0.367N	P=0.267	(e)	(e)
RAO-SCOTT	P=0.581N	P=0.544	(e)	(e)
LITTER C-A/FISHERS	P=0.567N	P=0.500	(e)	(e)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Spleen: White Pulp Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/90 (3%)	6/90 (7%)	6/90 (7%)	2/90 (2%)
LITTERS (b)	3/35 (9%)	5/35 (14%)	6/35 (17%)	2/35 (6%)
POLY-3 RATE (c)	3/69.82	6/77.21	6/73.03	2/75.70
POLY-3 PERCENT (g)	4.3%	7.8%	8.2%	2.6%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	690	584	482	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.277N	P=0.298	P=0.268	P=0.464N
POLY 1.5	P=0.295N	P=0.276	P=0.258	P=0.479N
POLY 6	P=0.256N	P=0.324	P=0.283	P=0.445N
RAO-SCOTT	P=0.311N	P=0.313	P=0.284	P=0.464N
LITTER C-A/FISHERS	P=0.360N	P=0.355	P=0.239	P=0.500N

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Stomach, Forestomach				
Edema				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	2/70.17	2/75.99	1/71.13	0/74.61
POLY-3 PERCENT (g)	2.9%	2.6%	1.4%	0%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	524	650	628	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.121N	P=0.664N	P=0.495N	P=0.225N
POLY 1.5	P=0.124N	P=0.676N	P=0.498N	P=0.231N
POLY 6	P=0.117N	P=0.650N	P=0.491N	P=0.217N
RAO-SCOTT	P=0.155N	P=0.653N	P=0.498N	P=0.259N
LITTER C-A/FISHERS	P=0.124N	P=0.693	P=0.500N	P=0.246N

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.89	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	634	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.123N	P=0.221N	P=0.235N	P=0.224N
POLY 1.5	P=0.120N	P=0.228N	P=0.237N	P=0.230N
POLY 6	P=0.127N	P=0.214N	P=0.233N	P=0.216N
RAO-SCOTT	P=0.231N	P=0.367N	P=0.371N	P=0.368N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	5/90 (6%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	4/35 (11%)	5/35 (14%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	4/70.16	5/76.47	0/70.74	0/74.61
POLY-3 PERCENT (g)	5.7%	6.5%	0%	0%
TERMINAL (d)	2/48 (4%)	1/53 (2%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	634	622	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.011N*	P=0.553	P=0.062N	P=0.055N
POLY 1.5	P=0.012N*	P=0.531	P=0.062N	P=0.059N
POLY 6	P=0.010N**	P=0.578	P=0.060N	P=0.051N
RAO-SCOTT	P=0.030N*	P=0.561	P=0.106N	P=0.100N
LITTER C-A/FISHERS	P=0.012N*	P=0.500	P=0.057N	P=0.057N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	7/90 (8%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	5/35 (14%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	1/69.73	7/77.60	2/71.56	2/75.23
POLY-3 PERCENT (g)	1.4%	9%	2.8%	2.7%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	662	576	450	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.371N	P=0.047*	P=0.509	P=0.526
POLY 1.5	P=0.393N	P=0.041*	P=0.505	P=0.514
POLY 6	P=0.342N	P=0.056	P=0.515	P=0.542
RAO-SCOTT	P=0.435N	P=0.100	P=0.543	P=0.562
LITTER C-A/FISHERS	P=0.544N	P=0.099	P=0.500	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach: Artery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/90 (11%)	14/90 (16%)	8/90 (9%)	8/90 (9%)
LITTERS (b)	10/35 (29%)	10/35 (29%)	6/35 (17%)	8/35 (23%)
POLY-3 RATE (c)	10/70.91	14/78.37	8/72.53	8/76.10
POLY-3 PERCENT (g)	14.1%	17.9%	11%	10.5%
TERMINAL (d)	5/48 (10%)	1/53 (2%)	2/48 (4%)	3/57 (5%)
FIRST INCIDENCE	629	622	450	594
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.177N	P=0.344	P=0.381N	P=0.340N
POLY 1.5	P=0.193N	P=0.305	P=0.391N	P=0.368N
POLY 6	P=0.158N	P=0.395	P=0.368N	P=0.306N
RAO-SCOTT	P=0.206N	P=0.357	P=0.388N	P=0.352N
LITTER C-A/FISHERS	P=0.274N	P=0.604	P=0.197N	P=0.393N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Glandular Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	1/89 (1%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	1/75.15	0/70.74	0/73.80
POLY-3 PERCENT (g)	1.4%	1.3%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	602	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

---

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	0/73.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Stomach, Glandular Mineral</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	0/73.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr

---

Stomach, Glandular: Artery  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.70	0/70.74	0/73.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	75/87 (86%)	70/86 (81%)	62/88 (70%)	61/86 (71%)
LITTERS (b)	34/35 (97%)	35/35 (100%)	33/35 (94%)	31/34 (91%)
POLY-3 RATE (c)	75/81.62	70/81.77	62/77.91	61/76.07
POLY-3 PERCENT (g)	91.9%	85.6%	79.6%	80.2%
TERMINAL (d)	42/46 (91%)	45/52 (87%)	37/47 (79%)	46/55 (84%)
FIRST INCIDENCE	464	464	464	489
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.017N*	P=0.138N	P=0.014N*	P=0.018N*
POLY 1.5	P=0.009N**	P=0.171N	P=0.009N**	P=0.012N*
POLY 6	P=0.036N*	P=0.118N	P=0.023N*	P=0.034N*
RAO-SCOTT	P=0.035N*	P=0.177N	P=0.033N*	P=0.040N*
LITTER C-A/FISHERS	P=0.096N	P=0.500	P=0.500N	P=0.296N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus Cyst				
<b>LESION RATES</b>				
OVERALL (a)	39/87 (45%)	30/86 (35%)	33/88 (38%)	28/86 (33%)
LITTERS (b)	27/35 (77%)	21/35 (60%)	23/35 (66%)	20/34 (59%)
POLY-3 RATE (c)	39/72.83	30/72.89	33/69.81	28/72.94
POLY-3 PERCENT (g)	53.6%	41.2%	47.3%	38.4%
TERMINAL (d)	24/46 (52%)	29/52 (56%)	26/47 (55%)	24/55 (44%)
FIRST INCIDENCE	489	654	634	622
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.066N	P=0.084N	P=0.273N	P=0.042N*
POLY 1.5	P=0.074N	P=0.093N	P=0.238N	P=0.050N*
POLY 6	P=0.058N	P=0.085N	P=0.327N	P=0.037N*
RAO-SCOTT	P=0.077N	P=0.094N	P=0.277N	P=0.050N*
LITTER C-A/FISHERS	P=0.118N	P=0.099N	P=0.214N	P=0.084N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus				
Ectopic Parathyroid Gland				
<b>LESION RATES</b>				
OVERALL (a)	1/87 (1%)	1/86 (1%)	2/88 (2%)	0/86 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	0/34 (0%)
POLY-3 RATE (c)	1/66.89	1/72.59	2/68.91	0/72.03
POLY-3 PERCENT (g)	1.5%	1.4%	2.9%	0%
TERMINAL (d)	0/46 (0%)	1/52 (2%)	2/47 (4%)	0/55 (0%)
FIRST INCIDENCE	690	737 (T)	737 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.348N	P=0.742N	P=0.510	P=0.485N
POLY 1.5	P=0.357N	P=0.751N	P=0.507	P=0.493N
POLY 6	P=0.338N	P=0.732N	P=0.515	P=0.476N
RAO-SCOTT	P=0.377N	P=0.724N	P=0.506	P=0.493N
LITTER C-A/FISHERS	P=0.374N	P=0.754	P=0.500	P=0.507N



Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thymus</b>				
<b>Ectopic Thyroid</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/87 (0%)	1/86 (1%)	0/88 (0%)	1/86 (1%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	0/35 (0%)	1/34 (3%)
POLY-3 RATE (c)	0/66.71	1/72.77	0/68.91	1/72.03
POLY-3 PERCENT (g)	0%	1.4%	0%	1.4%
TERMINAL (d)	0/46 (0%)	0/52 (0%)	0/47 (0%)	1/55 (2%)
FIRST INCIDENCE	---	690	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thymus Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/87 (2%)	2/86 (2%)	2/88 (2%)	3/86 (3%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	2/35 (6%)	3/34 (9%)
POLY-3 RATE (c)	2/67.68	2/73.04	2/69.30	3/73.23
POLY-3 PERCENT (g)	3%	2.7%	2.9%	4.1%
TERMINAL (d)	0/46 (0%)	0/52 (0%)	0/47 (0%)	0/55 (0%)
FIRST INCIDENCE	547	631	640	600
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.412	P=0.666N	P=0.685N	P=0.536
POLY 1.5	P=0.400	P=0.678N	P=0.687N	P=0.518
POLY 6	P=0.429	P=0.651N	P=0.681N	P=0.558
RAO-SCOTT	P=0.407	P=0.636N	P=0.650N	P=0.510
LITTER C-A/FISHERS	P=0.372	P=0.693	P=0.693	P=0.486

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thymus</b>				
<b>Hyperplasia Epithelial</b>				
<b>LESION RATES</b>				
OVERALL (a)	55/87 (63%)	19/86 (22%)	19/88 (22%)	20/86 (23%)
LITTERS (b)	32/35 (91%)	14/35 (40%)	16/35 (46%)	15/34 (44%)
POLY-3 RATE (c)	55/74.67	19/73.33	19/70.43	20/72.27
POLY-3 PERCENT (g)	73.7%	25.9%	27%	27.7%
TERMINAL (d)	38/46 (83%)	17/52 (33%)	15/47 (32%)	17/55 (31%)
FIRST INCIDENCE	464	545	489	702
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
RAO-SCOTT	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
LITTER C-A/FISHERS	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Thymus				
Thrombus				
<b>LESION RATES</b>				
OVERALL (a)	0/87 (0%)	0/86 (0%)	0/88 (0%)	0/86 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/34 (0%)
POLY-3 RATE (c)	0/66.71	0/72.59	0/68.91	0/72.03
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/46 (0%)	0/52 (0%)	0/47 (0%)	0/55 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

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DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<hr/>				
Thymus: Artery				
Inflammation Chronic				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/87 (0%)	0/86 (0%)	0/88 (0%)	0/86 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/34 (0%)
POLY-3 RATE (c)	0/66.71	0/72.59	0/68.91	0/72.03
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/46 (0%)	0/52 (0%)	0/47 (0%)	0/55 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thyroid Gland: C-Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	28/90 (31%)	49/88 (56%)	45/90 (50%)	43/88 (49%)
LITTERS (b)	24/35 (69%)	29/35 (83%)	27/35 (77%)	26/35 (74%)
POLY-3 RATE (c)	28/70.55	49/79.19	45/73.60	43/75.96
POLY-3 PERCENT (g)	39.7%	61.9%	61.1%	56.6%
TERMINAL (d)	25/48 (52%)	35/53 (66%)	35/48 (73%)	36/57 (63%)
FIRST INCIDENCE	531	464	545	545
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.090	P=0.004**	P=0.005**	P=0.025*
POLY 1.5	P=0.064	P=0.002**	P=0.005**	P=0.015*
POLY 6	P=0.149	P=0.011*	P=0.007**	P=0.049*
RAO-SCOTT	P=0.084	P=0.006**	P=0.008**	P=0.031*
LITTER C-A/FISHERS	P=0.473	P=0.132	P=0.296	P=0.396

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Thyroid Gland: Follicle Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/88 (2%)	0/90 (0%)	1/88 (1%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	2/74.66	0/70.74	1/73.62
POLY-3 PERCENT (g)	1.4%	2.7%	0%	1.4%
TERMINAL (d)	1/48 (2%)	2/53 (4%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	737 (T)	737 (T)	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.491N	P=0.525	P=0.496N	P=0.748N
POLY 1.5	P=0.497N	P=0.511	P=0.498N	P=0.756N
POLY 6	P=0.481N	P=0.541	P=0.493N	P=0.736N
RAO-SCOTT	P=0.493N	P=0.520	P=0.479N	P=0.724N
LITTER C-A/FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Tissue NOS: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/8 (75%)	8/10 (80%)	7/8 (88%)	9/10 (90%)
LITTERS (b)	6/7 (86%)	8/10 (80%)	7/8 (88%)	8/9 (89%)
POLY-3 RATE (c)	6/7.64	8/9.20	7/8.00	9/9.13
POLY-3 PERCENT (g)	78.6%	87%	87.5%	98.6%
TERMINAL (d)	3/3 (100%)	6/6 (100%)	4/5 (80%)	8/8 (100%)
FIRST INCIDENCE	353	578	492	514
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.172	P=0.581	P=0.580	P=0.274
POLY 1.5	P=0.189	P=0.590	P=0.540	P=0.304
POLY 6	P=0.199	P=0.605	P=0.655	P=0.306
RAO-SCOTT	P=0.197	P=0.583	P=0.597	P=0.315
LITTER C-A/FISHERS	P=0.484	P=0.640N	P=0.733	P=0.700



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Trigeminal Ganglion Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	33/81 (41%)	31/79 (39%)	28/80 (35%)	17/79 (22%)
LITTERS (b)	23/35 (66%)	21/34 (62%)	19/35 (54%)	14/34 (41%)
POLY-3 RATE (c)	33/64.84	31/69.15	28/64.16	17/67.48
POLY-3 PERCENT (g)	50.9%	44.8%	43.6%	25.2%
TERMINAL (d)	26/43 (61%)	24/49 (49%)	24/43 (56%)	15/50 (30%)
FIRST INCIDENCE	634	545	628	565
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.293N	P=0.250N	P<0.001N**
POLY 1.5	P<0.001N**	P=0.373N	P=0.264N	P=0.002N**
POLY 6	P<0.001N**	P=0.211N	P=0.235N	P<0.001N**
RAO-SCOTT	P=0.002N**	P=0.308N	P=0.268N	P=0.004N**
LITTER C-A/FISHERS	P=0.019N*	P=0.464N	P=0.232N	P=0.035N*

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Urinary Bladder Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/88 (0%)	1/88 (1%)	1/90 (1%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/67.74	1/74.23	1/71.15	0/72.80
POLY-3 PERCENT (g)	0%	1.4%	1.4%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	699	621	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Urinary Bladder Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/88 (3%)	0/88 (0%)	1/90 (1%)	0/87 (0%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	3/68.27	0/74.08	1/71.15	0/72.80
POLY-3 PERCENT (g)	4.4%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	662	---	621	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.090N	P=0.107N	P=0.292N	P=0.110N
POLY 1.5	P=0.088N	P=0.112N	P=0.295N	P=0.116N
POLY 6	P=0.090N	P=0.101N	P=0.287N	P=0.103N
RAO-SCOTT	P=0.143N	P=0.181N	P=0.353N	P=0.184N
LITTER C-A/FISHERS	P=0.085N	P=0.120N	P=0.307N	P=0.120N

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Urinary Bladder: Urothelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/88 (1%)	1/88 (1%)	0/90 (0%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/67.74	1/74.23	0/70.74	0/72.80
POLY-3 PERCENT (g)	1.5%	1.4%	0%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	699	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Uterus Cyst				
<b>LESION RATES</b>				
OVERALL (a)	5/90 (6%)	3/89 (3%)	11/90 (12%)	7/90 (8%)
LITTERS (b)	4/35 (11%)	3/35 (9%)	11/35 (31%)	7/35 (20%)
POLY-3 RATE (c)	5/69.46	3/75.32	11/70.74	7/74.61
POLY-3 PERCENT (g)	7.2%	4%	15.6%	9.4%
TERMINAL (d)	5/48 (10%)	2/53 (4%)	11/48 (23%)	7/57 (12%)
FIRST INCIDENCE	737 (T)	699	737 (T)	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.208	P=0.315N	P=0.097	P=0.432
POLY 1.5	P=0.197	P=0.336N	P=0.095	P=0.409
POLY 6	P=0.224	P=0.292N	P=0.101	P=0.462
RAO-SCOTT	P=0.224	P=0.317N	P=0.110	P=0.427
LITTER C-A/FISHERS	P=0.109	P=0.500N	P=0.039*	P=0.256

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus</b>				
<b>Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/90 (9%)	7/89 (8%)	12/90 (13%)	4/90 (4%)
LITTERS (b)	7/35 (20%)	5/35 (14%)	10/35 (29%)	3/35 (9%)
POLY-3 RATE (c)	8/70.44	7/77.25	12/73.49	4/76.45
POLY-3 PERCENT (g)	11.4%	9.1%	16.3%	5.2%
TERMINAL (d)	7/48 (15%)	2/53 (4%)	7/48 (15%)	1/57 (2%)
FIRST INCIDENCE	202	493	383	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.173N	P=0.425N	P=0.267	P=0.146N
POLY 1.5	P=0.190N	P=0.463N	P=0.251	P=0.163N
POLY 6	P=0.153N	P=0.379N	P=0.292	P=0.125N
RAO-SCOTT	P=0.217N	P=0.445N	P=0.301	P=0.188N
LITTER C-A/FISHERS	P=0.195N	P=0.376N	P=0.289	P=0.153N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	3/89 (3%)	4/90 (4%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	4/35 (11%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	3/76.02	4/72.25	1/75.20
POLY-3 PERCENT (g)	0%	4%	5.5%	1.3%
TERMINAL (d)	0/48 (0%)	1/53 (2%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	---	597	482	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.553	P=0.138	P=0.068	P=0.516
POLY 1.5	P=0.530	P=0.130	P=0.066	P=0.509
POLY 6	P=0.583	P=0.148	P=0.071	P=0.525
RAO-SCOTT	P=0.528	P=0.178	P=0.099	P=0.530
LITTER C-A/FISHERS	P=0.500	P=0.120	P=0.057	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: GSM  
 CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018  
 Time Report Requested: 13:44:25  
 First Dose M/F: 09/16/12 / 09/16/12  
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus</b>				
<b>Hyperplasia Stromal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/90 (0%)	3/89 (3%)	1/90 (1%)	4/90 (4%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	1/35 (3%)	4/35 (11%)
POLY-3 RATE (c)	0/69.46	3/75.32	1/70.74	4/75.59
POLY-3 PERCENT (g)	0%	4%	1.4%	5.3%
TERMINAL (d)	0/48 (0%)	2/53 (4%)	1/48 (2%)	2/57 (4%)
FIRST INCIDENCE	---	699	737 (T)	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.087	P=0.136	P=0.504	P=0.074
POLY 1.5	P=0.081	P=0.129	P=0.502	P=0.069
POLY 6	P=0.095	P=0.145	P=0.507	P=0.081
RAO-SCOTT	P=0.112	P=0.166	P=0.497	P=0.101
LITTER C-A/FISHERS	P=0.070	P=0.120	P=0.500	P=0.057



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/90 (4%)	11/89 (12%)	6/90 (7%)	10/90 (11%)
LITTERS (b)	4/35 (11%)	10/35 (29%)	5/35 (14%)	10/35 (29%)
POLY-3 RATE (c)	4/69.64	11/76.16	6/71.13	10/75.16
POLY-3 PERCENT (g)	5.7%	14.4%	8.4%	13.3%
TERMINAL (d)	3/48 (6%)	8/53 (15%)	5/48 (10%)	9/57 (16%)
FIRST INCIDENCE	690	597	628	565
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.198	P=0.072	P=0.385	P=0.103
POLY 1.5	P=0.182	P=0.061	P=0.378	P=0.092
POLY 6	P=0.222	P=0.086	P=0.395	P=0.119
RAO-SCOTT	P=0.196	P=0.078	P=0.372	P=0.109
LITTER C-A/FISHERS	P=0.122	P=0.067	P=0.500	P=0.067

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus</b>				
<b>Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	0/89 (0%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	1/69.74	0/75.17	0/70.74	2/75.55
POLY-3 PERCENT (g)	1.4%	0%	0%	2.7%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	660	---	---	290
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.247	P=0.485N	P=0.497N	P=0.528
POLY 1.5	P=0.247	P=0.492N	P=0.499N	P=0.516
POLY 6	P=0.247	P=0.477N	P=0.495N	P=0.542
RAO-SCOTT	P=0.324	P=0.548N	P=0.545N	P=0.558
LITTER C-A/FISHERS	P=0.245	P=0.500N	P=0.500N	P=0.500

Experiment Number: 20105 - 59  
 Test Type: CHRONIC  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	0/90 (0%)	2/89 (2%)	6/90 (7%)	1/90 (1%)
<b>LITTERS (b)</b>	0/35 (0%)	2/35 (6%)	6/35 (17%)	1/35 (3%)
<b>POLY-3 RATE (c)</b>	0/69.46	2/75.88	6/72.51	1/74.92
<b>POLY-3 PERCENT (g)</b>	0%	2.6%	8.3%	1.3%
<b>TERMINAL (d)</b>	0/48 (0%)	1/53 (2%)	2/48 (4%)	0/57 (0%)
<b>FIRST INCIDENCE</b>	---	493	482	651
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.435	P=0.258	P=0.020*	P=0.515
<b>POLY 1.5</b>	P=0.413	P=0.249	P=0.019*	P=0.508
<b>POLY 6</b>	P=0.465	P=0.269	P=0.022*	P=0.524
<b>RAO-SCOTT</b>	P=0.429	P=0.300	P=0.039*	P=0.532
<b>LITTER C-A/FISHERS</b>	P=0.385	P=0.246	P=0.012*	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Uterus Thrombus				
<b>LESION RATES</b>				
OVERALL (a)	1/90 (1%)	2/89 (2%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	2/75.70	0/70.74	1/74.68
POLY-3 PERCENT (g)	1.4%	2.6%	0%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	631	---	720
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.486N	P=0.530	P=0.496N	P=0.744N
POLY 1.5	P=0.492N	P=0.516	P=0.498N	P=0.752N
POLY 6	P=0.478N	P=0.547	P=0.493N	P=0.734N
RAO-SCOTT	P=0.491N	P=0.526	P=0.481N	P=0.721N
LITTER C-A/FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus: Cervix</b>				
<b>Hyperplasia Stromal</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/90 (2%)	0/89 (0%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	2/70.04	0/75.17	0/70.74	1/74.61
POLY-3 PERCENT (g)	2.9%	0%	0%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	550	---	---	737 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.476N	P=0.223N	P=0.236N	P=0.478N
POLY 1.5	P=0.469N	P=0.230N	P=0.237N	P=0.488N
POLY 6	P=0.483N	P=0.215N	P=0.233N	P=0.465N
RAO-SCOTT	P=0.490N	P=0.307N	P=0.311N	P=0.519N
LITTER C-A/FISHERS	P=0.461N	P=0.246N	P=0.246N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
Uterus: Endometrium Hyperplasia Cystic				
<b>LESION RATES</b>				
OVERALL (a)	37/90 (41%)	33/89 (37%)	28/90 (31%)	39/90 (43%)
LITTERS (b)	28/35 (80%)	23/35 (66%)	19/35 (54%)	26/35 (74%)
POLY-3 RATE (c)	37/73.57	33/78.02	28/75.15	39/78.30
POLY-3 PERCENT (g)	50.3%	42.3%	37.3%	49.8%
TERMINAL (d)	28/48 (58%)	26/53 (49%)	17/48 (35%)	30/57 (53%)
FIRST INCIDENCE	489	531	492	283
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.459	P=0.199N	P=0.069N	P=0.542N
POLY 1.5	P=0.426	P=0.254N	P=0.084N	P=0.526
POLY 6	P=0.503	P=0.147N	P=0.051N	P=0.466N
RAO-SCOTT	P=0.472	P=0.199N	P=0.072N	P=0.531N
LITTER C-A/FISHERS	P=0.403N	P=0.141N	P=0.020N*	P=0.388N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/10/2018

Time Report Requested: 13:44:25

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)  
TERMINAL SACRIFICE AT 106 WEEKS

DOSE	Females			
	0.0W/kg(GSM)chr	1.5W/kg(GSM)chr	3.0W/kg(GSM)chr	6.0W/kg(GSM)chr
<b>Uterus: Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	48/90 (53%)	38/89 (43%)	39/90 (43%)	45/90 (50%)
LITTERS (b)	31/35 (89%)	25/35 (71%)	27/35 (77%)	28/35 (80%)
POLY-3 RATE (c)	48/81.10	38/81.38	39/81.06	45/81.50
POLY-3 PERCENT (g)	59.2%	46.7%	48.1%	55.2%
TERMINAL (d)	26/48 (54%)	23/53 (43%)	18/48 (38%)	30/57 (53%)
FIRST INCIDENCE	353	464	383	443
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.476N	P=0.070N	P=0.099N	P=0.359N
POLY 1.5	P=0.484N	P=0.080N	P=0.104N	P=0.376N
POLY 6	P=0.458N	P=0.063N	P=0.094N	P=0.334N
RAO-SCOTT	P=0.474N	P=0.082N	P=0.112N	P=0.365N
LITTER C-A/FISHERS	P=0.376N	P=0.067N	P=0.171N	P=0.256N

**Experiment Number:** 20105 - 59

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** RATS/HSD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Cell Phone Radiation: GSM

**CAS Number:** CELLPRADGSM

**Date Report Requested:** 01/10/2018

**Time Report Requested:** 13:44:25

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

**Lab:** IIT

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of litters with tumor-bearing animals/number of litters examined at site
- (c) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (n) No statistics are calculated if all dose groups have fewer than two tumors.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
- \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
- N Indicates a negative trend for all tests  
The Rao-Scott statistic performs the Poly-3 test with an adjustment for within-litter correlation.  
The Litter C-A/Fishers statistic compare directly the litter incidence rates.

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