

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

Custom Report with Litter-Based Analysis

NTP Study Number: C20105

Lock Date: 11/06/2014

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Both

TDMSE Version: 2.5.0.0_sfh

PWG Approval Date: NONE

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

MALE RATS

Organ

Liver

FEMALE RATS

Organ

Kidney

Kidney: Renal Tubule

Liver

Morphology

Inflammation Focal

Morphology

Nephropathy Chronic Progressive

Casts Protein

Inflammation Focal

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
<hr/>				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
RAO-SCOTT	(e)	(e)	(e)	P=0.773N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.786

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Adrenal Cortex				
Hypertrophy Focal				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
<hr/>				
Eye: Retina Dysplasia				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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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Test Type: 28-DAY

Route: Whole Body Exposure

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Heart				
Cardiomyopathy				
<hr/>				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
LITTERS (b)	1/4 (25%)	0/4 (0%)	1/4 (25%)	1/4 (25%)
POLY-3 RATE (c)	1/10.00	0/10.00	1/10.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	10%	10%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	29 (T)	29 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.500	P=0.500N	P=0.760	P=0.760
POLY 1.5	P=0.500	P=0.500N	P=0.760	P=0.760
POLY 6	P=0.500	P=0.500N	P=0.760	P=0.760
RAO-SCOTT	P=0.538	P=0.642N	P=0.813	P=0.813
LITTER C-A/FISHERS	P=0.500	P=0.500N	P=0.786	P=0.786

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Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney				
Nephropathy Chronic Progressive				
LESION RATES				
OVERALL (a)	3/10 (30%)	4/10 (40%)	1/10 (10%)	4/10 (40%)
LITTERS (b)	2/4 (50%)	4/4 (100%)	1/4 (25%)	3/4 (75%)
POLY-3 RATE (c)	3/10.00	4/10.00	1/10.00	4/10.00
POLY-3 PERCENT (g)	30%	40%	10%	40%
TERMINAL (d)	3/10 (30%)	4/10 (40%)	1/10 (10%)	4/10 (40%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS				
POLY 3	P=0.560	P=0.500	P=0.292N	P=0.500
POLY 1.5	P=0.560	P=0.500	P=0.292N	P=0.500
POLY 6	P=0.560	P=0.500	P=0.292N	P=0.500
RAO-SCOTT	P=0.564	P=0.516	P=0.312N	P=0.516
LITTER C-A/FISHERS	P=0.591	P=0.214	P=0.500N	P=0.500

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney: Interstitium Infiltration Cellular				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	2/4 (50%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/10.00	2/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	20%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
FIRST INCIDENCE	---	---	29 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.369	(e)	P=0.227	(e)
POLY 1.5	P=0.369	(e)	P=0.227	(e)
POLY 6	P=0.369	(e)	P=0.227	(e)
RAO-SCOTT	P=0.482	(e)	P=0.460	(e)
LITTER C-A/FISHERS	P=0.368	(e)	P=0.214	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney: Pelvis Dilation				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	10%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	29 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.376N	P=0.500N	P=0.760	P=0.500N
POLY 1.5	P=0.376N	P=0.500N	P=0.760	P=0.500N
POLY 6	P=0.376N	P=0.500N	P=0.760	P=0.500N
RAO-SCOTT	P=0.442N	P=0.650N	P=0.816	P=0.650N
LITTER C-A/FISHERS	P=0.368N	P=0.500N	P=0.786	P=0.500N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney: Renal Tubule Casts Protein				
LESION RATES				
OVERALL (a)	1/10 (10%)	2/10 (20%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	2/4 (50%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	2/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	20%	0%	0%
TERMINAL (d)	1/10 (10%)	2/10 (20%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	29 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.142N	P=0.500	P=0.500N	P=0.500N
POLY 1.5	P=0.142N	P=0.500	P=0.500N	P=0.500N
POLY 6	P=0.142N	P=0.500	P=0.500N	P=0.500N
RAO-SCOTT	P=0.229N	P=0.610	P=0.677N	P=0.677N
LITTER C-A/FISHERS	P=0.126N	P=0.500	P=0.500N	P=0.500N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Liver				
Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	3/4 (75%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	10%	0%	0%	30%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.292
POLY 1.5	(e)	(e)	(e)	P=0.292
POLY 6	(e)	(e)	(e)	P=0.292
RAO-SCOTT	(e)	(e)	(e)	P=0.302
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.243

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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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TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Liver				
Infiltration Cellular Mononuclear Cell				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
RAO-SCOTT	(e)	(e)	(e)	P=0.650
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
<hr/>				
Liver Inflammation Focal				
<hr/>				
LESION RATES				
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	4/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.033N*
POLY 1.5	(e)	(e)	(e)	P=0.033N*
POLY 6	(e)	(e)	(e)	P=0.033N*
RAO-SCOTT	(e)	(e)	(e)	P=0.162N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
RAO-SCOTT	(e)	(e)	(e)	P=0.773N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.786

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CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
<hr/>				
Lung Inflammation				
<hr/>				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.650N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung				
Metaplasia Osseous				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung				
Mineral				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
RAO-SCOTT	(e)	(e)	(e)	P=0.650
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Alveolus Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Perivascular Infiltration Cellular Eosinophil				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.650N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Subpleura Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lymph Node, Mandibular Hemorrhage				
LESION RATES				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	20%	0%	0%	20%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.702
POLY 1.5	(e)	(e)	(e)	P=0.702
POLY 6	(e)	(e)	(e)	P=0.702
RAO-SCOTT	(e)	(e)	(e)	P=0.771
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
RAO-SCOTT	(e)	(e)	(e)	P=0.650
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Nose: Glands, Respiratory Epithelium
Cyst

LESION RATES

OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.769N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Nose: Respiratory Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	20%	0%	0%	10%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.500N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Pituitary Gland: Pars Distalis
Cyst

LESION RATES

OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	20%	0%	0%	11.1%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.538N
POLY 1.5	(e)	(e)	(e)	P=0.538N
POLY 6	(e)	(e)	(e)	P=0.538N
RAO-SCOTT	(e)	(e)	(e)	P=0.540N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Pituitary Gland: Rathke's Cleft
Dilation

LESION RATES

OVERALL (a)	8/10 (80%)	0/0 (0%)	0/0 (0%)	5/9 (56%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	3/4 (75%)
POLY-3 RATE (c)	8/10.00	0/0.00	0/0.00	5/9.00
POLY-3 PERCENT (g)	80%	0%	0%	55.6%
TERMINAL (d)	8/10 (80%)	0/0 (0%)	0/0 (0%)	5/9 (56%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.262N
POLY 1.5	(e)	(e)	(e)	P=0.262N
POLY 6	(e)	(e)	(e)	P=0.262N
RAO-SCOTT	(e)	(e)	(e)	P=0.475N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.786

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/10 (40%)	5/10 (50%)	4/10 (40%)	3/10 (30%)
LITTERS (b)	3/4 (75%)	4/4 (100%)	2/4 (50%)	2/4 (50%)
POLY-3 RATE (c)	4/10.00	5/10.00	4/10.00	3/10.00
POLY-3 PERCENT (g)	40%	50%	40%	30%
TERMINAL (d)	4/10 (40%)	5/10 (50%)	4/10 (40%)	3/10 (30%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS				
POLY 3	P=0.339N	P=0.500	P=0.667	P=0.500N
POLY 1.5	P=0.339N	P=0.500	P=0.667	P=0.500N
POLY 6	P=0.339N	P=0.500	P=0.667	P=0.500N
RAO-SCOTT	P=0.410N	P=0.612	P=0.733	P=0.616N
LITTER C-A/FISHERS	P=0.167N	P=0.500	P=0.500N	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Preputial Gland: Bilateral Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	1/4 (25%)	1/4 (25%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	1/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	10%	10%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	29 (T)	29 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.624	P=0.500	P=0.500	(e)
POLY 1.5	P=0.624	P=0.500	P=0.500	(e)
POLY 6	P=0.624	P=0.500	P=0.500	(e)
RAO-SCOTT	P=0.665	P=0.717	P=0.717	(e)
LITTER C-A/FISHERS	P=0.632	P=0.500	P=0.500	(e)

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Testes: Left, Germinal Epithelium Degeneration				
LESION RATES				
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	1/1 (100%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	1/1.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	29 (T)	---	---
STATISTICAL TESTS				
POLY 3	(e)	P=0.091	(e)	(e)
POLY 1.5	(e)	P=0.091	(e)	(e)
POLY 6	(e)	P=0.091	(e)	(e)
RAO-SCOTT	P=0.643N	P=0.068	(e)	(e)
LITTER C-A/FISHERS	P=0.661N	P=0.200	(e)	(e)

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Thyroid Gland				
Ectopic Thymus				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
RAO-SCOTT	(e)	(e)	(e)	P=0.773N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.786

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Thyroid Gland				
Ultimobranchial Cyst				
<hr/>				
LESION RATES				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.227N
POLY 1.5	(e)	(e)	(e)	P=0.227N
POLY 6	(e)	(e)	(e)	P=0.227N
RAO-SCOTT	(e)	(e)	(e)	P=0.239N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
<hr/>				
LESION RATES				
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	4/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	40%	0%	0%	10%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.148N
POLY 1.5	(e)	(e)	(e)	P=0.148N
POLY 6	(e)	(e)	(e)	P=0.148N
RAO-SCOTT	(e)	(e)	(e)	P=0.239N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.243N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Adrenal Cortex				
Hypertrophy Focal				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
RAO-SCOTT	(e)	(e)	(e)	P=0.650
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Clitoral Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	6/10 (60%)	8/10 (80%)	6/9 (67%)	6/10 (60%)
LITTERS (b)	3/4 (75%)	4/4 (100%)	3/4 (75%)	3/4 (75%)
POLY-3 RATE (c)	6/10.00	8/10.00	6/9.00	6/10.00
POLY-3 PERCENT (g)	60%	80%	66.7%	60%
TERMINAL (d)	6/10 (60%)	8/10 (80%)	6/9 (67%)	6/10 (60%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS				
POLY 3	P=0.481N	P=0.318	P=0.566	P=0.667
POLY 1.5	P=0.481N	P=0.318	P=0.566	P=0.667
POLY 6	P=0.481N	P=0.318	P=0.566	P=0.667
RAO-SCOTT	P=0.522N	P=0.476	P=0.664	P=0.732
LITTER C-A/FISHERS	P=0.500N	P=0.500	P=0.786	P=0.786

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Clitoral Gland: Bilateral
Inflammation Chronic

LESION RATES

OVERALL (a)	1/10 (10%)	3/10 (30%)	1/9 (11%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	2/4 (50%)	1/4 (25%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	3/10.00	1/9.00	0/10.00
POLY-3 PERCENT (g)	10%	30%	11.1%	0%
TERMINAL (d)	1/10 (10%)	3/10 (30%)	1/9 (11%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	---

STATISTICAL TESTS

POLY 3	P=0.205N	P=0.292	P=0.737	P=0.500N
POLY 1.5	P=0.205N	P=0.292	P=0.737	P=0.500N
POLY 6	P=0.205N	P=0.292	P=0.737	P=0.500N
RAO-SCOTT	P=0.310N	P=0.461	P=0.825	P=0.723N
LITTER C-A/FISHERS	P=0.219N	P=0.500	P=0.786	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Eye: Retina Dysplasia				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
RAO-SCOTT	(e)	(e)	(e)	P=0.650
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/10.00	2/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	20%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
FIRST INCIDENCE	---	---	29 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.369	(e)	P=0.227	(e)
POLY 1.5	P=0.369	(e)	P=0.227	(e)
POLY 6	P=0.369	(e)	P=0.227	(e)
RAO-SCOTT	P=0.552	(e)	P=0.618	(e)
LITTER C-A/FISHERS	P=0.500	(e)	P=0.500	(e)

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney				
Nephropathy Chronic Progressive				
LESION RATES				
OVERALL (a)	0/10 (0%)	4/10 (40%)	3/10 (30%)	4/10 (40%)
LITTERS (b)	0/4 (0%)	3/4 (75%)	2/4 (50%)	2/4 (50%)
POLY-3 RATE (c)	0/10.00	4/10.00	3/10.00	4/10.00
POLY-3 PERCENT (g)	0%	40%	30%	40%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	3/10 (30%)	4/10 (40%)
FIRST INCIDENCE	---	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS				
POLY 3	P=0.053	P=0.033*	P=0.095	P=0.033*
POLY 1.5	P=0.053	P=0.033*	P=0.095	P=0.033*
POLY 6	P=0.053	P=0.033*	P=0.095	P=0.033*
RAO-SCOTT	P=0.126	P=0.157	P=0.260	P=0.157
LITTER C-A/FISHERS	P=0.184	P=0.071	P=0.214	P=0.214

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney: Interstitium Infiltration Cellular				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney: Pelvis Dilation				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Kidney: Renal Tubule Casts Protein				
LESION RATES				
OVERALL (a)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	2/4 (50%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	2/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.047N*	P=0.227N	P=0.227N	P=0.227N
POLY 1.5	P=0.047N*	P=0.227N	P=0.227N	P=0.227N
POLY 6	P=0.047N*	P=0.227N	P=0.227N	P=0.227N
RAO-SCOTT	P=0.085N	P=0.310N	P=0.310N	P=0.310N
LITTER C-A/FISHERS	P=0.045N*	P=0.214N	P=0.214N	P=0.214N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
<hr/>				
Liver				
Extramedullary Hematopoiesis				
<hr/>				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/1 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/1 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/1.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/1 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	P=0.913N	(e)	P=0.500N
POLY 1.5	(e)	P=0.913N	(e)	P=0.500N
POLY 6	(e)	P=0.913N	(e)	P=0.500N
RAO-SCOTT	P=0.466N	P=0.966N	(e)	P=0.616N
LITTER C-A/FISHERS	P=0.370N	P=0.800N	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
LESION RATES				
OVERALL (a)	1/10 (10%)	1/1 (100%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	1/1 (100%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	1/1.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	100%	0%	0%
TERMINAL (d)	1/10 (10%)	1/1 (100%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	29 (T)	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	P=0.146	(e)	P=0.500N
POLY 1.5	(e)	P=0.146	(e)	P=0.500N
POLY 6	(e)	P=0.146	(e)	P=0.500N
RAO-SCOTT	P=0.319N	P=0.202	(e)	P=0.507N
LITTER C-A/FISHERS	P=0.308N	P=0.400	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Liver				
Infiltration Cellular Mononuclear Cell				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/1 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/1 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/1.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
RAO-SCOTT	P=0.454	(e)	(e)	P=0.616
LITTER C-A/FISHERS	P=0.339	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Liver				
Inflammation Focal				
LESION RATES				
OVERALL (a)	4/10 (40%)	0/1 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	4/4 (100%)	0/1 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	4/10.00	0/1.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/1 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	P=0.609N	(e)	P=0.033N*
POLY 1.5	(e)	P=0.609N	(e)	P=0.033N*
POLY 6	(e)	P=0.609N	(e)	P=0.033N*
RAO-SCOTT	P=0.032N*	P=0.617N	(e)	P=0.047N*
LITTER C-A/FISHERS	P=0.012N*	P=0.200N	(e)	P=0.014N*

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.227N
POLY 1.5	(e)	(e)	(e)	P=0.227N
POLY 6	(e)	(e)	(e)	P=0.227N
RAO-SCOTT	(e)	(e)	(e)	P=0.239N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung Inflammation				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung				
Metaplasia Osseous				
<hr/>				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.650N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung				
Mineral				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.650N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Lung: Alveolus
Inflammation Chronic

LESION RATES

OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.650N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Perivascular Infiltration Cellular Eosinophil				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lung: Subpleura Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	3/4 (75%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	20%	0%	0%	50%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.174
POLY 1.5	(e)	(e)	(e)	P=0.174
POLY 6	(e)	(e)	(e)	P=0.174
RAO-SCOTT	(e)	(e)	(e)	P=0.259
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lymph Node, Mandibular Hemorrhage				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Nose: Glands, Respiratory Epithelium Cyst				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Nose: Respiratory Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.227N
POLY 1.5	(e)	(e)	(e)	P=0.227N
POLY 6	(e)	(e)	(e)	P=0.227N
RAO-SCOTT	(e)	(e)	(e)	P=0.239N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214N

Experiment Number: 20105 - 13

Test Type: 28-DAY

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: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Ovary				
Mineral				
LESION RATES				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.650N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Pituitary Gland: Pars Distalis
Cyst

LESION RATES

OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

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First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC

Pituitary Gland: Rathke's Cleft
Dilation

LESION RATES

OVERALL (a)	6/10 (60%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
LITTERS (b)	4/4 (100%)	0/0 (0%)	0/0 (0%)	3/4 (75%)
POLY-3 RATE (c)	6/10.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	60%	0%	0%	40%
TERMINAL (d)	6/10 (60%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	P=0.333N
POLY 1.5	(e)	(e)	(e)	P=0.333N
POLY 6	(e)	(e)	(e)	P=0.333N
RAO-SCOTT	(e)	(e)	(e)	P=0.364N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Thyroid Gland				
Ectopic Thymus				
LESION RATES				
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (c)	5/10.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	50%	0%	0%	40%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.583N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

Experiment Number: 20105 - 13

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 11/15/2017

Time Report Requested: 10:00:10

First Dose M/F: 12/09/10 / 12/09/10

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS

DOSE	Females			
	0W/kg(GSM)PreC	3W/kg(GSM)PreC	6W/kg(GSM)PreC	9W/kg(GSM)PreC
Thyroid Gland				
Ultimobranchial Cyst				
LESION RATES				
OVERALL (a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	3/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	30%	0%	0%	10%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.292N
POLY 1.5	(e)	(e)	(e)	P=0.292N
POLY 6	(e)	(e)	(e)	P=0.292N
RAO-SCOTT	(e)	(e)	(e)	P=0.288N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.243N

Experiment Number: 20105 - 13

Test Type: 28-DAY

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

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 ***