

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
Time Report Requested: 14:02:37
First Dose M/F: 09/16/12 / 09/16/12
Lab: IIT

Custom Report with Litter-Based Statistics

NTP Study Number:	C20105		
Lock Date:	12/29/2015		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC		
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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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex

Adrenal Medulla

Brain

Heart

Islets, Pancreatic

Kidney

Liver

Lung

Ovary

Pancreas

Pituitary Gland

Prostate

Spleen

Testis

Thymus

Thyroid Gland

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

MALE RATS

Organ

Adrenal Medulla

Heart

Islets, Pancreatic

Pituitary Gland: Pars Distalis or Unspecified Site

Skin

All Organs

Morphology

Pheochromocytoma Benign

Pheochromocytoma: Benign, Complex, Malignant, NOS

Schwannoma Malignant

Adenoma

Carcinoma

Carcinoma or Adenoma

Adenoma

Carcinoma or Adenoma

Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma

Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma

Squamous Cell Papilloma, Papilloma, or Keratoacanthoma

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

FEMALE RATS

Organ

Liver

Mammary Gland

Pituitary Gland: Pars Distalis or Unspecified Site

Thyroid Gland: C-Cell

All Organs

Morphology

Hepatocellular Adenoma

Hepatocellular Carcinoma or Hepatocellular Adenoma

Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

Adenoma

Carcinoma or Adenoma

Adenoma

Carcinoma or Adenoma

Carcinoma or Adenoma

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	4/90 (4%)	2/90 (2%)	1/88 (1%)
LITTERS (b)	1/35 (3%)	4/35 (11%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/65.75	4/75.56	2/77.89	1/76.66
POLY-3 PERCENT (g)	1.5%	5.3%	2.6%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	0/60 (0%)
FIRST INCIDENCE	654	562	730 (T)	716
STATISTICAL TESTS				
POLY 3	P=0.328N	P=0.226	P=0.558	P=0.725N
POLY 1.5	P=0.366N	P=0.205	P=0.534	P=0.744N
POLY 6	P=0.272N	P=0.264	P=0.595	P=0.691N
RAO-SCOTT	P=0.369N	P=0.237	P=0.542	P=0.698N
LITTER C-A/FISHERS	P=0.403N	P=0.178	P=0.500	P=0.754

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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

Adrenal Medulla
Pheochromocytoma Benign

TUMOR RATES

OVERALL (a)	10/88 (11%)	23/90 (26%)	25/89 (28%)	14/87 (16%)
LITTERS (b)	8/35 (23%)	19/35 (54%)	21/35 (60%)	12/35 (34%)
POLY-3 RATE (c)	10/65.60	23/76.92	25/78.83	14/76.49
POLY-3 PERCENT (g)	15.2%	29.9%	31.7%	18.3%
TERMINAL (d)	3/23 (13%)	13/45 (29%)	14/49 (29%)	11/59 (19%)
FIRST INCIDENCE	510	599	526	631

STATISTICAL TESTS

POLY 3	P=0.412N	P=0.028*	P=0.016*	P=0.397
POLY 1.5	P=0.528N	P=0.019*	P=0.009**	P=0.323
POLY 6	P=0.250N	P=0.056	P=0.036*	P=0.526
RAO-SCOTT	P=0.472N	P=0.030*	P=0.017*	P=0.384
LITTER C-A/FISHERS	P=0.365	P=0.007**	P=0.002**	P=0.214

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	1/88 (1%)	2/90 (2%)	4/89 (4%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	4/35 (11%)	0/35 (0%)
POLY-3 RATE (c)	1/63.91	2/75.21	4/77.40	0/75.81
POLY-3 PERCENT (g)	1.6%	2.7%	5.2%	0%
TERMINAL (d)	0/23 (0%)	1/45 (2%)	1/49 (2%)	0/59 (0%)
FIRST INCIDENCE	604	636	636	---
STATISTICAL TESTS				
POLY 3	P=0.296N	P=0.556	P=0.245	P=0.466N
POLY 1.5	P=0.332N	P=0.534	P=0.218	P=0.483N
POLY 6	P=0.242N	P=0.592	P=0.290	P=0.439N
RAO-SCOTT	P=0.353N	P=0.550	P=0.272	P=0.476N
LITTER C-A/FISHERS	P=0.372N	P=0.500	P=0.178	P=0.500N

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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
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	11/88 (13%)	24/90 (27%)	28/89 (31%)	14/87 (16%)
LITTERS (b)	9/35 (26%)	19/35 (54%)	23/35 (66%)	12/35 (34%)
POLY-3 RATE (c)	11/66.03	24/77.26	28/79.29	14/76.49
POLY-3 PERCENT (g)	16.7%	31.1%	35.3%	18.3%
TERMINAL (d)	3/23 (13%)	13/45 (29%)	15/49 (31%)	11/59 (19%)
FIRST INCIDENCE	510	599	526	631
STATISTICAL TESTS				
POLY 3	P=0.347N	P=0.033*	P=0.008**	P=0.485
POLY 1.5	P=0.461N	P=0.022*	P=0.004**	P=0.408
POLY 6	P=0.198N	P=0.064	P=0.021*	P=0.564N
RAO-SCOTT	P=0.409N	P=0.035*	P=0.010**	P=0.472
LITTER C-A/FISHERS	P=0.420	P=0.014*	P<0.001**	P=0.301

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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
Glioma Malignant

TUMOR RATES

OVERALL (a)	0/90 (0%)	3/90 (3%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	3/35 (9%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	3/74.93	3/78.27	2/77.71
POLY-3 PERCENT (g)	0%	4%	3.8%	2.6%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	715	649	716

STATISTICAL TESTS

POLY 3	P=0.412	P=0.147	P=0.156	P=0.278
POLY 1.5	P=0.366	P=0.134	P=0.140	P=0.259
POLY 6	P=0.489	P=0.169	P=0.184	P=0.312
RAO-SCOTT	P=0.382	P=0.155	P=0.166	P=0.277
LITTER C-A/FISHERS	P=0.311	P=0.120	P=0.120	P=0.246

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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				
Granular Cell Tumor Benign				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	3/90 (3%)	3/90 (3%)	3/90 (3%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	3/35 (9%)	3/35 (9%)
POLY-3 RATE (c)	1/65.47	3/75.31	3/77.89	3/77.66
POLY-3 PERCENT (g)	1.5%	4%	3.9%	3.9%
TERMINAL (d)	1/25 (4%)	1/45 (2%)	3/50 (6%)	3/60 (5%)
FIRST INCIDENCE	730 (T)	655	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.376	P=0.358	P=0.371	P=0.370
POLY 1.5	P=0.338	P=0.334	P=0.343	P=0.340
POLY 6	P=0.439	P=0.400	P=0.415	P=0.422
RAO-SCOTT	P=0.350	P=0.328	P=0.342	P=0.341
LITTER C-A/FISHERS	P=0.290	P=0.307	P=0.307	P=0.307

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Granular Cell Tumor: Benign or Malignant				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	3/90 (3%)	4/90 (4%)	3/90 (3%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	4/35 (11%)	3/35 (9%)
POLY-3 RATE (c)	1/65.47	3/75.31	4/78.01	3/77.66
POLY-3 PERCENT (g)	1.5%	4%	5.1%	3.9%
TERMINAL (d)	1/25 (4%)	1/45 (2%)	3/50 (6%)	3/60 (5%)
FIRST INCIDENCE	730 (T)	655	699	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.373	P=0.358	P=0.239	P=0.370
POLY 1.5	P=0.332	P=0.334	P=0.214	P=0.340
POLY 6	P=0.442	P=0.400	P=0.282	P=0.422
RAO-SCOTT	P=0.343	P=0.327	P=0.220	P=0.340
LITTER C-A/FISHERS	P=0.280	P=0.307	P=0.178	P=0.307

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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
Harderian Gland Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (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	1/77.89	2/77.93
POLY-3 PERCENT (g)	0%	0%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	---	730 (T)	657
STATISTICAL TESTS				
POLY 3	P=0.086	(e)	P=0.534	P=0.279
POLY 1.5	P=0.078	(e)	P=0.520	P=0.260
POLY 6	P=0.098	(e)	P=0.557	P=0.313
RAO-SCOTT	P=0.143	(e)	P=0.574	P=0.341
LITTER C-A/FISHERS	P=0.069	(e)	P=0.500	P=0.246

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Heart				
Schwannoma Malignant				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	5/90 (6%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	5/35 (14%)
POLY-3 RATE (c)	0/65.47	2/74.87	1/77.89	5/78.48
POLY-3 PERCENT (g)	0%	2.7%	1.3%	6.4%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	1/50 (2%)	3/60 (5%)
FIRST INCIDENCE	---	730 (T)	730 (T)	582
STATISTICAL TESTS				
POLY 3	P=0.022*	P=0.269	P=0.534	P=0.052
POLY 1.5	P=0.018*	P=0.254	P=0.520	P=0.043*
POLY 6	P=0.029*	P=0.294	P=0.557	P=0.073
RAO-SCOTT	P=0.041*	P=0.297	P=0.540	P=0.080
LITTER C-A/FISHERS	P=0.013*	P=0.246	P=0.500	P=0.027*

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Intestine Small: Jejunum Carcinoma				
TUMOR RATES	#	#	#	#
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)	2/65.79	1/74.87	1/78.09	1/77.66
POLY-3 PERCENT (g)	3%	1.3%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	655	730 (T)	677	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.387N	P=0.455N	P=0.441N	P=0.443N
POLY 1.5	P=0.396N	P=0.476N	P=0.466N	P=0.469N
POLY 6	P=0.376N	P=0.422N	P=0.403N	P=0.400N
RAO-SCOTT	P=0.379N	P=0.445N	P=0.435N	P=0.436N
LITTER C-A/FISHERS	P=0.409N	P=0.500N	P=0.500N	P=0.500N

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
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)	2/65.79	2/74.87	1/78.09	2/77.66
POLY-3 PERCENT (g)	3%	2.7%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	655	730 (T)	677	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.537N	P=0.646N	P=0.441N	P=0.632N
POLY 1.5	P=0.554N	P=0.668N	P=0.466N	P=0.661N
POLY 6	P=0.514N	P=0.608N	P=0.403N	P=0.582N
RAO-SCOTT	P=0.517N	P=0.616N	P=0.419N	P=0.605N
LITTER C-A/FISHERS	P=0.578N	P=0.693	P=0.500N	P=0.693

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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
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	5/90 (6%)	14/89 (16%)	10/86 (12%)	11/85 (13%)
LITTERS (b)	5/35 (14%)	12/35 (34%)	9/34 (26%)	11/35 (31%)
POLY-3 RATE (c)	5/66.15	14/75.82	10/75.84	11/74.53
POLY-3 PERCENT (g)	7.6%	18.5%	13.2%	14.8%
TERMINAL (d)	2/25 (8%)	10/45 (22%)	9/50 (18%)	11/60 (18%)
FIRST INCIDENCE	624	531	677	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.313	P=0.047*	P=0.208	P=0.140
POLY 1.5	P=0.244	P=0.035*	P=0.167	P=0.107
POLY 6	P=0.434	P=0.075	P=0.282	P=0.212
RAO-SCOTT	P=0.282	P=0.051	P=0.204	P=0.140
LITTER C-A/FISHERS	P=0.141	P=0.046*	P=0.169	P=0.077

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	8/90 (9%)	15/89 (17%)	10/86 (12%)	5/85 (6%)
LITTERS (b)	8/35 (23%)	12/35 (34%)	10/34 (29%)	4/35 (11%)
POLY-3 RATE (c)	8/66.42	15/76.32	10/76.32	5/75.11
POLY-3 PERCENT (g)	12%	19.7%	13.1%	6.7%
TERMINAL (d)	3/25 (12%)	7/45 (16%)	8/50 (16%)	4/60 (7%)
FIRST INCIDENCE	663	531	537	544
STATISTICAL TESTS				
POLY 3	P=0.057N	P=0.156	P=0.525	P=0.208N
POLY 1.5	P=0.087N	P=0.120	P=0.456	P=0.255N
POLY 6	P=0.029N*	P=0.227	P=0.574N	P=0.145N
RAO-SCOTT	P=0.088N	P=0.173	P=0.517	P=0.220N
LITTER C-A/FISHERS	P=0.083N	P=0.214	P=0.365	P=0.171N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	13/90 (14%)	27/89 (30%)	19/86 (22%)	16/85 (19%)
LITTERS (b)	12/35 (34%)	19/35 (54%)	17/34 (50%)	14/35 (40%)
POLY-3 RATE (c)	13/67.10	27/76.74	19/76.52	16/75.11
POLY-3 PERCENT (g)	19.4%	35.2%	24.8%	21.3%
TERMINAL (d)	5/25 (20%)	16/45 (36%)	16/50 (32%)	15/60 (25%)
FIRST INCIDENCE	624	531	537	544
STATISTICAL TESTS				
POLY 3	P=0.291N	P=0.024*	P=0.279	P=0.469
POLY 1.5	P=0.397N	P=0.015*	P=0.208	P=0.381
POLY 6	P=0.164N	P=0.051	P=0.402	P=0.555N
RAO-SCOTT	P=0.344N	P=0.032*	P=0.282	P=0.462
LITTER C-A/FISHERS	P=0.518	P=0.074	P=0.140	P=0.402

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Kidney: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	1/90 (1%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	3/66.97	1/75.01	3/77.94	2/78.51
POLY-3 PERCENT (g)	4.5%	1.3%	3.9%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	527	694	718	384
STATISTICAL TESTS				
POLY 3	P=0.480N	P=0.267N	P=0.590N	P=0.429N
POLY 1.5	P=0.498N	P=0.285N	P=0.620N	P=0.461N
POLY 6	P=0.454N	P=0.239N	P=0.541N	P=0.378N
RAO-SCOTT	P=0.517N	P=0.397N	P=0.628N	P=0.519N
LITTER C-A/FISHERS	P=0.323	P=0.754	P=0.307	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Kidney: Renal Tubule Carcinoma				
TUMOR RATES				
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)	1/66.10	0/74.87	0/77.89	1/78.34
POLY-3 PERCENT (g)	1.5%	0%	0%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	527	---	---	500
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Kidney: Renal Tubule Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	1/90 (1%)	3/90 (3%)	3/90 (3%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	3/35 (9%)	3/35 (9%)
POLY-3 RATE (c)	3/66.97	1/75.01	3/77.94	3/79.19
POLY-3 PERCENT (g)	4.5%	1.3%	3.9%	3.8%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	527	694	718	384
STATISTICAL TESTS				
POLY 3	P=0.515	P=0.267N	P=0.590N	P=0.582N
POLY 1.5	P=0.490	P=0.285N	P=0.620N	P=0.618N
POLY 6	P=0.550	P=0.239N	P=0.541N	P=0.522N
RAO-SCOTT	P=0.559	P=0.382N	P=0.621N	P=0.617N
LITTER C-A/FISHERS	P=0.162	P=0.754	P=0.307	P=0.307

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Hepatocellular Adenoma				
TUMOR RATES				
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	2/77.80
POLY-3 PERCENT (g)	0%	1.3%	0%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	---	730 (T)	---	694
STATISTICAL TESTS				
POLY 3	P=0.167	P=0.527	(e)	P=0.278
POLY 1.5	P=0.155	P=0.514	(e)	P=0.259
POLY 6	P=0.188	P=0.547	(e)	P=0.313
RAO-SCOTT	P=0.232	P=0.566	(e)	P=0.344
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	0/90 (0%)	1/90 (1%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	1/74.87	1/77.89	2/77.80
POLY-3 PERCENT (g)	0%	1.3%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	730 (T)	730 (T)	694

STATISTICAL TESTS

POLY 3	P=0.192	P=0.527	P=0.534	P=0.278
POLY 1.5	P=0.174	P=0.514	P=0.520	P=0.259
POLY 6	P=0.223	P=0.547	P=0.557	P=0.313
RAO-SCOTT	P=0.210	P=0.507	P=0.519	P=0.289
LITTER C-A/FISHERS	P=0.152	P=0.500	P=0.500	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES				
OVERALL (a)	0/90 (0%)	1/90 (1%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	1/74.87	1/77.89	2/77.80
POLY-3 PERCENT (g)	0%	1.3%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	730 (T)	730 (T)	694

STATISTICAL TESTS				
POLY 3	P=0.192	P=0.527	P=0.534	P=0.278
POLY 1.5	P=0.174	P=0.514	P=0.520	P=0.259
POLY 6	P=0.223	P=0.547	P=0.557	P=0.313
RAO-SCOTT	P=0.210	P=0.507	P=0.519	P=0.289
LITTER C-A/FISHERS	P=0.152	P=0.500	P=0.500	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
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)	1/65.47	2/74.87	0/77.89	0/77.66
POLY-3 PERCENT (g)	1.5%	2.7%	0%	0%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.164N	P=0.546	P=0.466N	P=0.466N
POLY 1.5	P=0.174N	P=0.525	P=0.480N	P=0.482N
POLY 6	P=0.149N	P=0.581	P=0.443N	P=0.440N
RAO-SCOTT	P=0.242N	P=0.570	P=0.534N	P=0.534N
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Adenoma				
TUMOR 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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Carcinoma				
TUMOR 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)	0/65.47	0/74.87	1/77.89	0/77.66
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)	---
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Carcinoma or Adenoma				
TUMOR 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)	0/65.47	0/74.87	1/77.89	0/77.66
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)	---
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	3/90 (3%)	4/90 (4%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	4/35 (11%)	2/35 (6%)
POLY-3 RATE (c)	2/66.25	3/76.03	4/79.05	2/78.24
POLY-3 PERCENT (g)	3%	4%	5.1%	2.6%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	440	320	454	544
STATISTICAL TESTS				
POLY 3	P=0.482N	P=0.562	P=0.423	P=0.632N
POLY 1.5	P=0.518N	P=0.534	P=0.387	P=0.661N
POLY 6	P=0.425N	P=0.607	P=0.479	P=0.581N
RAO-SCOTT	P=0.487N	P=0.532	P=0.400	P=0.600N
LITTER C-A/FISHERS	P=0.563N	P=0.500	P=0.337	P=0.693

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	3/90 (3%)	4/90 (4%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	4/35 (11%)	2/35 (6%)
POLY-3 RATE (c)	2/66.25	3/76.03	4/79.05	2/78.24
POLY-3 PERCENT (g)	3%	4%	5.1%	2.6%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	2/50 (4%)	1/60 (2%)
FIRST INCIDENCE	440	320	454	544
STATISTICAL TESTS				
POLY 3	P=0.482N	P=0.562	P=0.423	P=0.632N
POLY 1.5	P=0.518N	P=0.534	P=0.387	P=0.661N
POLY 6	P=0.425N	P=0.607	P=0.479	P=0.581N
RAO-SCOTT	P=0.487N	P=0.532	P=0.400	P=0.600N
LITTER C-A/FISHERS	P=0.563N	P=0.500	P=0.337	P=0.693

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	3/90 (3%)	5/90 (6%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	5/35 (14%)	2/35 (6%)
POLY-3 RATE (c)	2/66.25	3/76.03	5/79.05	2/78.24
POLY-3 PERCENT (g)	3%	4%	6.3%	2.6%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	3/50 (6%)	1/60 (2%)
FIRST INCIDENCE	440	320	454	544
STATISTICAL TESTS				
POLY 3	P=0.491N	P=0.562	P=0.297	P=0.632N
POLY 1.5	P=0.531N	P=0.534	P=0.263	P=0.661N
POLY 6	P=0.428N	P=0.607	P=0.353	P=0.581N
RAO-SCOTT	P=0.504N	P=0.536	P=0.289	P=0.604N
LITTER C-A/FISHERS	P=0.581	P=0.500	P=0.214	P=0.693

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
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)	0/65.47	1/74.95	0/77.89	1/78.27
POLY-3 PERCENT (g)	0%	1.3%	0%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	709	---	534
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
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)	0/65.47	1/74.95	0/77.89	1/78.27
POLY-3 PERCENT (g)	0%	1.3%	0%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	---	709	---	534
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Adenoma				
TUMOR RATES				
OVERALL (a)	18/90 (20%)	21/89 (24%)	18/88 (20%)	16/86 (19%)
LITTERS (b)	16/35 (46%)	17/35 (49%)	13/34 (38%)	13/35 (37%)
POLY-3 RATE (c)	18/67.15	21/76.04	18/76.62	16/75.04
POLY-3 PERCENT (g)	26.8%	27.6%	23.5%	21.3%
TERMINAL (d)	9/25 (36%)	13/45 (29%)	15/50 (30%)	14/60 (23%)
FIRST INCIDENCE	580	614	716	674
STATISTICAL TESTS				
POLY 3	P=0.198N	P=0.532	P=0.395N	P=0.283N
POLY 1.5	P=0.266N	P=0.445	P=0.483N	P=0.373N
POLY 6	P=0.115N	P=0.482N	P=0.269N	P=0.161N
RAO-SCOTT	P=0.216N	P=0.523	P=0.396N	P=0.292N
LITTER C-A/FISHERS	P=0.204N	P=0.500	P=0.350N	P=0.314N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Carcinoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/89 (1%)	2/88 (2%)	0/86 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/34 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/65.47	1/75.02	2/76.69	0/74.69
POLY-3 PERCENT (g)	1.5%	1.3%	2.6%	0%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	730 (T)	670	677	---
STATISTICAL TESTS				
POLY 3	P=0.332N	P=0.729N	P=0.555	P=0.474N
POLY 1.5	P=0.354N	P=0.745N	P=0.528	P=0.490N
POLY 6	P=0.300N	P=0.703N	P=0.595	P=0.447N
RAO-SCOTT	P=0.361N	P=0.702N	P=0.544	P=0.466N
LITTER C-A/FISHERS	P=0.367N	P=0.754	P=0.489	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	18/90 (20%)	22/89 (25%)	19/88 (22%)	16/86 (19%)
LITTERS (b)	16/35 (46%)	18/35 (51%)	14/34 (41%)	13/35 (37%)
POLY-3 RATE (c)	18/67.15	22/76.27	19/76.83	16/75.04
POLY-3 PERCENT (g)	26.8%	28.9%	24.7%	21.3%
TERMINAL (d)	9/25 (36%)	13/45 (29%)	15/50 (30%)	14/60 (23%)
FIRST INCIDENCE	580	614	677	674
STATISTICAL TESTS				
POLY 3	P=0.183N	P=0.465	P=0.463N	P=0.283N
POLY 1.5	P=0.251N	P=0.378	P=0.554N	P=0.373N
POLY 6	P=0.102N	P=0.542N	P=0.326N	P=0.161N
RAO-SCOTT	P=0.201N	P=0.459	P=0.457N	P=0.288N
LITTER C-A/FISHERS	P=0.189N	P=0.406	P=0.446N	P=0.314N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	17/89 (19%)	28/90 (31%)	26/90 (29%)	26/90 (29%)
LITTERS (b)	13/35 (37%)	23/35 (66%)	19/35 (54%)	22/35 (63%)
POLY-3 RATE (c)	17/68.40	28/79.58	26/80.76	26/80.28
POLY-3 PERCENT (g)	24.9%	35.2%	32.2%	32.4%
TERMINAL (d)	5/25 (20%)	15/45 (33%)	17/50 (34%)	19/60 (32%)
FIRST INCIDENCE	527	309	537	384
STATISTICAL TESTS				
POLY 3	P=0.317	P=0.115	P=0.208	P=0.201
POLY 1.5	P=0.237	P=0.078	P=0.149	P=0.141
POLY 6	P=0.454	P=0.194	P=0.318	P=0.326
RAO-SCOTT	P=0.301	P=0.126	P=0.216	P=0.210
LITTER C-A/FISHERS	P=0.064	P=0.015*	P=0.115	P=0.028*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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

Pituitary Gland: Pars Distalis or Unspecified Site
Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	17/89 (19%)	28/90 (31%)	26/90 (29%)	26/90 (29%)
LITTERS (b)	13/35 (37%)	23/35 (66%)	19/35 (54%)	22/35 (63%)
POLY-3 RATE (c)	17/68.40	28/79.58	26/80.76	26/80.28
POLY-3 PERCENT (g)	24.9%	35.2%	32.2%	32.4%
TERMINAL (d)	5/25 (20%)	15/45 (33%)	17/50 (34%)	19/60 (32%)
FIRST INCIDENCE	527	309	537	384

STATISTICAL TESTS

POLY 3	P=0.317	P=0.115	P=0.208	P=0.201
POLY 1.5	P=0.237	P=0.078	P=0.149	P=0.141
POLY 6	P=0.454	P=0.194	P=0.318	P=0.326
RAO-SCOTT	P=0.301	P=0.126	P=0.216	P=0.210
LITTER C-A/FISHERS	P=0.064	P=0.015*	P=0.115	P=0.028*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Prostate Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	2/90 (2%)	6/90 (7%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	5/35 (14%)	3/35 (9%)
POLY-3 RATE (c)	2/65.79	2/75.61	6/77.89	3/77.66
POLY-3 PERCENT (g)	3%	2.7%	7.7%	3.9%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	6/50 (12%)	3/60 (5%)
FIRST INCIDENCE	642	591	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.420	P=0.642N	P=0.199	P=0.574
POLY 1.5	P=0.380	P=0.666N	P=0.172	P=0.540
POLY 6	P=0.486	P=0.602N	P=0.246	P=0.629
RAO-SCOTT	P=0.419	P=0.625N	P=0.224	P=0.566
LITTER C-A/FISHERS	P=0.342	P=0.693	P=0.214	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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

Prostate
Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	2/90 (2%)	2/90 (2%)	7/90 (8%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	6/35 (17%)	3/35 (9%)
POLY-3 RATE (c)	2/65.79	2/75.61	7/77.94	3/77.66
POLY-3 PERCENT (g)	3%	2.7%	9%	3.9%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	6/50 (12%)	3/60 (5%)
FIRST INCIDENCE	642	591	717	730 (T)

STATISTICAL TESTS

POLY 3	P=0.415	P=0.642N	P=0.132	P=0.574
POLY 1.5	P=0.372	P=0.666N	P=0.110	P=0.540
POLY 6	P=0.486	P=0.602N	P=0.172	P=0.629
RAO-SCOTT	P=0.412	P=0.626N	P=0.161	P=0.566
LITTER C-A/FISHERS	P=0.329	P=0.693	P=0.130	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/90 (9%)	4/90 (4%)	10/90 (11%)	3/90 (3%)
LITTERS (b)	8/35 (23%)	4/35 (11%)	8/35 (23%)	3/35 (9%)
POLY-3 RATE (c)	8/67.51	4/75.01	10/77.89	3/77.80
POLY-3 PERCENT (g)	11.9%	5.3%	12.8%	3.9%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	10/50 (20%)	2/60 (3%)
FIRST INCIDENCE	552	694	730 (T)	694
STATISTICAL TESTS				
POLY 3	P=0.117N	P=0.136N	P=0.529	P=0.066N
POLY 1.5	P=0.140N	P=0.157N	P=0.476	P=0.082N
POLY 6	P=0.088N	P=0.106N	P=0.594N	P=0.045N*
RAO-SCOTT	P=0.145N	P=0.163N	P=0.526	P=0.090N
LITTER C-A/FISHERS	P=0.132N	P=0.171N	P=0.612	P=0.094N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	5/90 (6%)	7/90 (8%)	5/90 (6%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	7/35 (20%)	5/35 (14%)
POLY-3 RATE (c)	2/65.47	5/75.11	7/79.08	5/78.59
POLY-3 PERCENT (g)	3.1%	6.7%	8.9%	6.4%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	4/50 (8%)	2/60 (3%)
FIRST INCIDENCE	730 (T)	673	501	443
STATISTICAL TESTS				
POLY 3	P=0.339	P=0.278	P=0.139	P=0.300
POLY 1.5	P=0.285	P=0.250	P=0.113	P=0.261
POLY 6	P=0.430	P=0.328	P=0.186	P=0.367
RAO-SCOTT	P=0.306	P=0.256	P=0.129	P=0.277
LITTER C-A/FISHERS	P=0.214	P=0.214	P=0.075	P=0.214

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	9/90 (10%)	11/90 (12%)	8/90 (9%)
LITTERS (b)	5/35 (14%)	9/35 (26%)	11/35 (31%)	8/35 (23%)
POLY-3 RATE (c)	5/66.48	9/76.86	11/79.66	8/79.82
POLY-3 PERCENT (g)	7.5%	11.7%	13.8%	10%
TERMINAL (d)	2/25 (8%)	4/45 (9%)	6/50 (12%)	2/60 (3%)
FIRST INCIDENCE	567	291	501	443
STATISTICAL TESTS				
POLY 3	P=0.459	P=0.288	P=0.173	P=0.407
POLY 1.5	P=0.386	P=0.247	P=0.136	P=0.348
POLY 6	P=0.540N	P=0.360	P=0.240	P=0.505
RAO-SCOTT	P=0.421	P=0.268	P=0.159	P=0.383
LITTER C-A/FISHERS	P=0.284	P=0.185	P=0.077	P=0.270

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	9/90 (10%)	10/90 (11%)	8/90 (9%)
LITTERS (b)	5/35 (14%)	9/35 (26%)	10/35 (29%)	8/35 (23%)
POLY-3 RATE (c)	5/66.48	9/76.86	10/79.66	8/79.82
POLY-3 PERCENT (g)	7.5%	11.7%	12.6%	10%
TERMINAL (d)	2/25 (8%)	4/45 (9%)	5/50 (10%)	2/60 (3%)
FIRST INCIDENCE	567	291	501	443
STATISTICAL TESTS				
POLY 3	P=0.463	P=0.288	P=0.235	P=0.407
POLY 1.5	P=0.393	P=0.247	P=0.191	P=0.348
POLY 6	P=0.541N	P=0.360	P=0.311	P=0.505
RAO-SCOTT	P=0.428	P=0.268	P=0.218	P=0.383
LITTER C-A/FISHERS	P=0.293	P=0.185	P=0.122	P=0.270

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	3/90 (3%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	1/65.91	3/75.67	1/78.39	2/78.43
POLY-3 PERCENT (g)	1.5%	4%	1.3%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	604	614	579	472
STATISTICAL TESTS				
POLY 3	P=0.602	P=0.357	P=0.720N	P=0.560
POLY 1.5	P=0.568	P=0.333	P=0.738N	P=0.533
POLY 6	P=0.574N	P=0.398	P=0.692N	P=0.603
RAO-SCOTT	P=0.579	P=0.351	P=0.690N	P=0.539
LITTER C-A/FISHERS	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	4/90 (4%)	4/90 (4%)	3/90 (3%)
LITTERS (b)	3/35 (9%)	4/35 (11%)	4/35 (11%)	3/35 (9%)
POLY-3 RATE (c)	3/66.48	4/76.61	4/78.97	3/78.89
POLY-3 PERCENT (g)	4.5%	5.2%	5.1%	3.8%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	567	291	550	472
STATISTICAL TESTS				
POLY 3	P=0.453N	P=0.576	P=0.592	P=0.580N
POLY 1.5	P=0.490N	P=0.542	P=0.553	P=0.618N
POLY 6	P=0.398N	P=0.628	P=0.647	P=0.518N
RAO-SCOTT	P=0.448N	P=0.544	P=0.562	P=0.548N
LITTER C-A/FISHERS	P=0.538N	P=0.500	P=0.500	P=0.663

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	3/90 (3%)	9/90 (10%)	2/90 (2%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	7/35 (20%)	2/35 (6%)
POLY-3 RATE (c)	5/67.20	3/75.01	9/77.89	2/77.66
POLY-3 PERCENT (g)	7.4%	4%	11.6%	2.6%
TERMINAL (d)	0/25 (0%)	2/45 (4%)	9/50 (18%)	2/60 (3%)
FIRST INCIDENCE	552	694	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.226N	P=0.300N	P=0.290	P=0.166N
POLY 1.5	P=0.258N	P=0.327N	P=0.251	P=0.190N
POLY 6	P=0.180N	P=0.260N	P=0.353	P=0.132N
RAO-SCOTT	P=0.271N	P=0.332N	P=0.322	P=0.208N
LITTER C-A/FISHERS	P=0.256N	P=0.355N	P=0.376	P=0.214N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	3/90 (3%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	2/65.47	3/74.87	1/77.89	2/77.66
POLY-3 PERCENT (g)	3.1%	4%	1.3%	2.6%
TERMINAL (d)	2/25 (8%)	3/45 (7%)	1/50 (2%)	2/60 (3%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.445N	P=0.560	P=0.440N	P=0.630N
POLY 1.5	P=0.469N	P=0.532	P=0.465N	P=0.660N
POLY 6	P=0.411N	P=0.606	P=0.402N	P=0.578N
RAO-SCOTT	P=0.438N	P=0.534	P=0.416N	P=0.602N
LITTER C-A/FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.693

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
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)	2/66.05	1/75.80	1/78.46	1/78.11
POLY-3 PERCENT (g)	3%	1.3%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	567	291	550	597
STATISTICAL TESTS				
POLY 3	P=0.388N	P=0.452N	P=0.441N	P=0.442N
POLY 1.5	P=0.397N	P=0.473N	P=0.466N	P=0.469N
POLY 6	P=0.377N	P=0.419N	P=0.403N	P=0.399N
RAO-SCOTT	P=0.376N	P=0.438N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Squamous Cell Papilloma				
TUMOR 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)	2/65.78	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	645	---	---	---
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=0.217N	P=0.219N
POLY 6	P=0.144N	P=0.192N	P=0.183N	P=0.180N
RAO-SCOTT	P=0.234N	P=0.359N	P=0.355N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/90 (8%)	3/90 (3%)	9/90 (10%)	2/90 (2%)
LITTERS (b)	7/35 (20%)	3/35 (9%)	7/35 (20%)	2/35 (6%)
POLY-3 RATE (c)	7/67.51	3/75.01	9/77.89	2/77.66
POLY-3 PERCENT (g)	10.4%	4%	11.6%	2.6%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	9/50 (18%)	2/60 (3%)
FIRST INCIDENCE	552	694	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.107N	P=0.123N	P=0.515	P=0.054N
POLY 1.5	P=0.125N	P=0.141N	P=0.466	P=0.067N
POLY 6	P=0.083N	P=0.098N	P=0.588	P=0.038N*
RAO-SCOTT	P=0.145N	P=0.164N	P=0.520	P=0.088N
LITTER C-A/FISHERS	P=0.113N	P=0.153N	P=0.617	P=0.075N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/90 (8%)	3/90 (3%)	9/90 (10%)	2/90 (2%)
LITTERS (b)	7/35 (20%)	3/35 (9%)	7/35 (20%)	2/35 (6%)
POLY-3 RATE (c)	7/67.51	3/75.01	9/77.89	2/77.66
POLY-3 PERCENT (g)	10.4%	4%	11.6%	2.6%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	9/50 (18%)	2/60 (3%)
FIRST INCIDENCE	552	694	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.107N	P=0.123N	P=0.515	P=0.054N
POLY 1.5	P=0.125N	P=0.141N	P=0.466	P=0.067N
POLY 6	P=0.083N	P=0.098N	P=0.588	P=0.038N*
RAO-SCOTT	P=0.145N	P=0.164N	P=0.520	P=0.088N
LITTER C-A/FISHERS	P=0.113N	P=0.153N	P=0.617	P=0.075N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/89 (0%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	3/66.84	0/74.87	0/77.52	1/77.99
POLY-3 PERCENT (g)	4.5%	0%	0%	1.3%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	0/60 (0%)
FIRST INCIDENCE	541	---	---	638
STATISTICAL TESTS				
POLY 3	P=0.262N	P=0.102N	P=0.097N	P=0.254N
POLY 1.5	P=0.254N	P=0.110N	P=0.107N	P=0.278N
POLY 6	P=0.280N	P=0.089N	P=0.083N	P=0.218N
RAO-SCOTT	P=0.368N	P=0.274N	P=0.271N	P=0.416N
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	2/90 (2%)	3/90 (3%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	2/65.89	2/75.09	3/78.02	2/77.72
POLY-3 PERCENT (g)	3%	2.7%	3.9%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	662	687	709	714
STATISTICAL TESTS				
POLY 3	P=0.553N	P=0.645N	P=0.576	P=0.632N
POLY 1.5	P=0.579N	P=0.668N	P=0.544	P=0.661N
POLY 6	P=0.513N	P=0.607N	P=0.623	P=0.583N
RAO-SCOTT	P=0.543N	P=0.610N	P=0.546	P=0.599N
LITTER C-A/FISHERS	P=0.569	P=0.693	P=0.500	P=0.693

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Thymoma Benign				
TUMOR RATES				
OVERALL (a)	0/88 (0%)	2/86 (2%)	1/88 (1%)	0/86 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/63.71	2/71.45	1/75.89	0/74.41
POLY-3 PERCENT (g)	0%	2.8%	1.3%	0%
TERMINAL (d)	0/24 (0%)	1/44 (2%)	1/48 (2%)	0/58 (0%)
FIRST INCIDENCE	---	728	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.395N	P=0.264	P=0.535	(e)
POLY 1.5	P=0.426N	P=0.250	P=0.520	(e)
POLY 6	P=0.346N	P=0.291	P=0.557	(e)
RAO-SCOTT	P=0.473N	P=0.328	P=0.576	(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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Thymoma: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	0/88 (0%)	2/86 (2%)	1/88 (1%)	1/86 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/63.71	2/71.45	1/75.89	1/74.41
POLY-3 PERCENT (g)	0%	2.8%	1.3%	1.3%
TERMINAL (d)	0/24 (0%)	1/44 (2%)	1/48 (2%)	1/58 (2%)
FIRST INCIDENCE	---	728	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.578	P=0.264	P=0.535	P=0.531
POLY 1.5	P=0.540	P=0.250	P=0.520	P=0.515
POLY 6	P=0.636	P=0.291	P=0.557	P=0.557
RAO-SCOTT	P=0.546	P=0.276	P=0.520	P=0.518
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	8/89 (9%)	9/89 (10%)	8/89 (9%)	8/87 (9%)
LITTERS (b)	7/35 (20%)	8/35 (23%)	8/34 (24%)	8/35 (23%)
POLY-3 RATE (c)	8/66.40	9/74.99	8/77.69	8/75.76
POLY-3 PERCENT (g)	12.1%	12%	10.3%	10.6%
TERMINAL (d)	6/25 (24%)	8/45 (18%)	6/50 (12%)	8/60 (13%)
FIRST INCIDENCE	498	576	636	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.419N	P=0.599N	P=0.473N	P=0.494N
POLY 1.5	P=0.472N	P=0.554	P=0.532N	P=0.557N
POLY 6	P=0.339N	P=0.513N	P=0.381N	P=0.387N
RAO-SCOTT	P=0.416N	P=0.581N	P=0.460N	P=0.481N
LITTER C-A/FISHERS	P=0.456	P=0.500	P=0.474	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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

Thyroid Gland: C-Cell
Carcinoma

TUMOR RATES

OVERALL (a)	2/89 (2%)	2/89 (2%)	2/89 (2%)	3/87 (3%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	2/34 (6%)	3/35 (9%)
POLY-3 RATE (c)	2/66.32	2/74.77	2/77.23	3/75.76
POLY-3 PERCENT (g)	3%	2.7%	2.6%	4%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	2/50 (4%)	3/60 (5%)
FIRST INCIDENCE	541	673	730 (T)	730 (T)

STATISTICAL TESTS

POLY 3	P=0.433	P=0.649N	P=0.637N	P=0.560
POLY 1.5	P=0.407	P=0.671N	P=0.662N	P=0.526
POLY 6	P=0.475	P=0.612N	P=0.596N	P=0.616
RAO-SCOTT	P=0.453	P=0.636N	P=0.628N	P=0.559
LITTER C-A/FISHERS	P=0.230	P=0.500	P=0.489	P=0.307

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	10/89 (11%)	11/89 (12%)	10/89 (11%)	11/87 (13%)
LITTERS (b)	8/35 (23%)	8/35 (23%)	9/34 (26%)	11/35 (31%)
POLY-3 RATE (c)	10/67.27	11/75.28	10/77.69	11/75.76
POLY-3 PERCENT (g)	14.9%	14.6%	12.9%	14.5%
TERMINAL (d)	6/25 (24%)	8/45 (18%)	8/50 (16%)	11/60 (18%)
FIRST INCIDENCE	498	576	636	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.519N	P=0.577N	P=0.458N	P=0.571N
POLY 1.5	P=0.519	P=0.556	P=0.519N	P=0.549
POLY 6	P=0.432N	P=0.486N	P=0.363N	P=0.454N
RAO-SCOTT	P=0.512N	P=0.566N	P=0.457N	P=0.561N
LITTER C-A/FISHERS	P=0.214	P=0.612	P=0.472	P=0.296

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	0/89 (0%)	2/89 (2%)	1/89 (1%)	0/87 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/34 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/65.45	2/74.76	1/77.23	0/75.76
POLY-3 PERCENT (g)	0%	2.7%	1.3%	0%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	---	656	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.400N	P=0.269	P=0.533	(e)
POLY 1.5	P=0.432N	P=0.254	P=0.518	(e)
POLY 6	P=0.350N	P=0.296	P=0.555	(e)
RAO-SCOTT	P=0.474N	P=0.327	P=0.571	(e)
LITTER C-A/FISHERS	P=0.462N	P=0.246	P=0.493	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/89 (0%)	2/89 (2%)	1/89 (1%)	1/87 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/34 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/65.45	2/74.76	1/77.23	1/75.76
POLY-3 PERCENT (g)	0%	2.7%	1.3%	1.3%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	---	656	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.571	P=0.269	P=0.533	P=0.529
POLY 1.5	P=0.534	P=0.254	P=0.518	P=0.513
POLY 6	P=0.630	P=0.296	P=0.555	P=0.556
RAO-SCOTT	P=0.540	P=0.276	P=0.515	P=0.513
LITTER C-A/FISHERS	P=0.499	P=0.246	P=0.493	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	3/66.84	1/75.48	0/77.89	2/77.99
POLY-3 PERCENT (g)	4.5%	1.3%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	1/60 (2%)
FIRST INCIDENCE	541	531	---	638
STATISTICAL TESTS				
POLY 3	P=0.442N	P=0.265N	P=0.096N	P=0.431N
POLY 1.5	P=0.441N	P=0.284N	P=0.106N	P=0.463N
POLY 6	P=0.446N	P=0.236N	P=0.083N	P=0.379N
RAO-SCOTT	P=0.466N	P=0.371N	P=0.210N	P=0.502N
LITTER C-A/FISHERS	P=0.591	P=0.500N	P=0.246N	P=0.693

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	2/90 (2%)	0/90 (0%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	3/66.84	2/75.54	0/77.89	3/77.99
POLY-3 PERCENT (g)	4.5%	2.7%	0%	3.9%
TERMINAL (d)	0/25 (0%)	0/45 (0%)	0/50 (0%)	2/60 (3%)
FIRST INCIDENCE	541	531	---	638
STATISTICAL TESTS				
POLY 3	P=0.577N	P=0.445N	P=0.096N	P=0.588N
POLY 1.5	P=0.584N	P=0.470N	P=0.106N	P=0.622N
POLY 6	P=0.568N	P=0.404N	P=0.083N	P=0.530N
RAO-SCOTT	P=0.561N	P=0.489N	P=0.177N	P=0.603N
LITTER C-A/FISHERS	P=0.422	P=0.693	P=0.246N	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	4/90 (4%)	4/90 (4%)	2/90 (2%)
LITTERS (b)	2/35 (6%)	4/35 (11%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	2/66.72	4/75.95	4/78.67	2/77.66
POLY-3 PERCENT (g)	3%	5.3%	5.1%	2.6%
TERMINAL (d)	0/25 (0%)	1/45 (2%)	1/50 (2%)	2/60 (3%)
FIRST INCIDENCE	212	562	610	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.418N	P=0.400	P=0.417	P=0.637N
POLY 1.5	P=0.456N	P=0.370	P=0.382	P=0.665N
POLY 6	P=0.359N	P=0.451	P=0.473	P=0.589N
RAO-SCOTT	P=0.446N	P=0.407	P=0.425	P=0.623N
LITTER C-A/FISHERS	P=0.479N	P=0.337	P=0.500	P=0.693

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant Schwannoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	3/90 (3%)	5/90 (6%)	7/90 (8%)
LITTERS (b)	3/35 (9%)	3/35 (9%)	5/35 (14%)	7/35 (20%)
POLY-3 RATE (c)	3/66.27	3/74.91	5/78.23	7/78.75
POLY-3 PERCENT (g)	4.5%	4%	6.4%	8.9%
TERMINAL (d)	1/25 (4%)	2/45 (4%)	3/50 (6%)	4/60 (7%)
FIRST INCIDENCE	555	720	661	582
STATISTICAL TESTS				
POLY 3	P=0.122	P=0.604N	P=0.451	P=0.242
POLY 1.5	P=0.103	P=0.630N	P=0.412	P=0.204
POLY 6	P=0.158	P=0.558N	P=0.514	P=0.315
RAO-SCOTT	P=0.133	P=0.577N	P=0.435	P=0.238
LITTER C-A/FISHERS	P=0.073	P=0.663	P=0.355	P=0.153

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	1/90 (1%)	6/90 (7%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	6/35 (17%)	1/35 (3%)
POLY-3 RATE (c)	2/65.78	1/74.97	6/78.90	1/77.66
POLY-3 PERCENT (g)	3%	1.3%	7.6%	1.3%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	645	705	550	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.465N	P=0.455N	P=0.204	P=0.443N
POLY 1.5	P=0.500N	P=0.476N	P=0.174	P=0.469N
POLY 6	P=0.409N	P=0.421N	P=0.257	P=0.400N
RAO-SCOTT	P=0.485N	P=0.454N	P=0.228	P=0.446N
LITTER C-A/FISHERS	P=0.544N	P=0.500N	P=0.130	P=0.500N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Mesothelioma: Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	1/90 (1%)	6/90 (7%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	6/35 (17%)	1/35 (3%)
POLY-3 RATE (c)	2/65.78	1/74.97	6/78.90	1/77.66
POLY-3 PERCENT (g)	3%	1.3%	7.6%	1.3%
TERMINAL (d)	1/25 (4%)	0/45 (0%)	1/50 (2%)	1/60 (2%)
FIRST INCIDENCE	645	705	550	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.465N	P=0.455N	P=0.204	P=0.443N
POLY 1.5	P=0.500N	P=0.476N	P=0.174	P=0.469N
POLY 6	P=0.409N	P=0.421N	P=0.257	P=0.400N
RAO-SCOTT	P=0.485N	P=0.454N	P=0.228	P=0.446N
LITTER C-A/FISHERS	P=0.544N	P=0.500N	P=0.130	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	49/90 (54%)	68/90 (76%)	71/90 (79%)	57/90 (63%)
LITTERS (b)	26/35 (74%)	33/35 (94%)	35/35 (100%)	32/35 (91%)
POLY-3 RATE (c)	49/75.08	68/84.74	71/85.04	57/82.42
POLY-3 PERCENT (g)	65.3%	80.3%	83.5%	69.2%
TERMINAL (d)	18/25 (72%)	35/45 (78%)	44/50 (88%)	43/60 (72%)
FIRST INCIDENCE	440	309	454	384
STATISTICAL TESTS				
POLY 3	P=0.508N	P=0.017*	P=0.003**	P=0.355
POLY 1.5	P=0.428	P=0.006**	P<0.001**	P=0.244
POLY 6	P=0.306N	P=0.067	P=0.011*	P=0.570
RAO-SCOTT	P=0.519	P=0.032*	P=0.010**	P=0.370
LITTER C-A/FISHERS	P=0.035*	P=0.023*	P<0.001**	P=0.055

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	24/90 (27%)	36/90 (40%)	38/90 (42%)	34/90 (38%)
LITTERS (b)	18/35 (51%)	24/35 (69%)	25/35 (71%)	26/35 (74%)
POLY-3 RATE (c)	24/72.28	36/80.19	38/82.99	34/82.37
POLY-3 PERCENT (g)	33.2%	44.9%	45.8%	41.3%
TERMINAL (d)	5/25 (20%)	15/45 (33%)	17/50 (34%)	23/60 (38%)
FIRST INCIDENCE	212	291	537	472
STATISTICAL TESTS				
POLY 3	P=0.293	P=0.089	P=0.071	P=0.189
POLY 1.5	P=0.200	P=0.061	P=0.042*	P=0.125
POLY 6	P=0.458	P=0.160	P=0.147	P=0.325
RAO-SCOTT	P=0.276	P=0.100	P=0.081	P=0.197
LITTER C-A/FISHERS	P=0.042*	P=0.111	P=0.070	P=0.041*

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	57/90 (63%)	73/90 (81%)	78/90 (87%)	71/90 (79%)
LITTERS (b)	29/35 (83%)	33/35 (94%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	57/78.30	73/86.41	78/87.32	71/85.54
POLY-3 PERCENT (g)	72.8%	84.5%	89.3%	83%
TERMINAL (d)	20/25 (80%)	36/45 (80%)	44/50 (88%)	50/60 (83%)
FIRST INCIDENCE	212	291	454	384
STATISTICAL TESTS				
POLY 3	P=0.091	P=0.036*	P=0.002**	P=0.065
POLY 1.5	P=0.044*	P=0.016*	P<0.001**	P=0.032*
POLY 6	P=0.235	P=0.120	P=0.013*	P=0.189
RAO-SCOTT	P=0.108	P=0.061	P=0.009**	P=0.096
LITTER C-A/FISHERS	P=0.003**	P=0.130	P=0.012*	P=0.012*

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	5/90 (6%)	1/89 (1%)	5/90 (6%)
LITTERS (b)	1/35 (3%)	5/35 (14%)	1/35 (3%)	4/35 (11%)
POLY-3 RATE (c)	1/69.46	5/76.75	1/70.15	5/74.92
POLY-3 PERCENT (g)	1.4%	6.5%	1.4%	6.7%
TERMINAL (d)	1/48 (2%)	2/53 (4%)	1/48 (2%)	4/57 (7%)
FIRST INCIDENCE	737 (T)	464	737 (T)	651
STATISTICAL TESTS				
POLY 3	P=0.181	P=0.130	P=0.759N	P=0.123
POLY 1.5	P=0.171	P=0.119	P=0.760	P=0.115
POLY 6	P=0.197	P=0.143	P=0.755N	P=0.135
RAO-SCOTT	P=0.222	P=0.182	P=0.742N	P=0.174
LITTER C-A/FISHERS	P=0.280	P=0.099	P=0.754	P=0.178

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	1/86 (1%)	3/90 (3%)	3/90 (3%)	2/86 (2%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	1/65.53	3/75.67	3/70.74	2/70.61
POLY-3 PERCENT (g)	1.5%	4%	4.2%	2.8%
TERMINAL (d)	1/45 (2%)	3/53 (6%)	3/48 (6%)	2/53 (4%)
FIRST INCIDENCE	737 (T)	737 (T)	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.507	P=0.359	P=0.334	P=0.526
POLY 1.5	P=0.491	P=0.344	P=0.329	P=0.514
POLY 6	P=0.529	P=0.377	P=0.342	P=0.542
RAO-SCOTT	P=0.486	P=0.347	P=0.319	P=0.500
LITTER C-A/FISHERS	P=0.477	P=0.307	P=0.307	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Adrenal Medulla				
Pheochromocytoma Malignant				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	0/90 (0%)	0/90 (0%)	0/86 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/65.53	0/75.67	0/70.74	0/70.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/45 (0%)	0/53 (0%)	0/48 (0%)	0/53 (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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	1/86 (1%)	4/90 (4%)	4/90 (4%)	2/86 (2%)
LITTERS (b)	1/35 (3%)	4/35 (11%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	1/65.53	4/75.67	4/71.53	2/70.61
POLY-3 PERCENT (g)	1.5%	5.3%	5.6%	2.8%
TERMINAL (d)	1/45 (2%)	4/53 (8%)	3/48 (6%)	2/53 (4%)
FIRST INCIDENCE	737 (T)	737 (T)	439	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.559	P=0.228	P=0.208	P=0.526
POLY 1.5	P=0.539	P=0.214	P=0.203	P=0.514
POLY 6	P=0.585	P=0.244	P=0.216	P=0.542
RAO-SCOTT	P=0.540	P=0.266	P=0.246	P=0.533
LITTER C-A/FISHERS	P=0.544	P=0.178	P=0.307	P=0.500

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Brain				
Glioma Malignant				
TUMOR 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	1/74.86
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	---	---	---	669
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Brain				
Granular Cell Tumor Benign				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/90 (1%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	1/75.67	2/71.00	0/74.61
POLY-3 PERCENT (g)	1.4%	1.3%	2.8%	0%
TERMINAL (d)	1/48 (2%)	1/53 (2%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	737 (T)	669	---
STATISTICAL TESTS				
POLY 3	P=0.351N	P=0.741N	P=0.508	P=0.486N
POLY 1.5	P=0.359N	P=0.749N	P=0.504	P=0.492N
POLY 6	P=0.341N	P=0.732N	P=0.514	P=0.477N
RAO-SCOTT	P=0.375N	P=0.722N	P=0.503	P=0.489N
LITTER C-A/FISHERS	P=0.366N	P=0.754	P=0.500	P=0.500N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Brain				
Granular Cell Tumor: Benign or Malignant				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/90 (1%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	1/75.67	2/71.00	1/74.61
POLY-3 PERCENT (g)	1.4%	1.3%	2.8%	1.3%
TERMINAL (d)	1/48 (2%)	1/53 (2%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	737 (T)	737 (T)	669	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.611	P=0.741N	P=0.508	P=0.745N
POLY 1.5	P=0.601	P=0.749N	P=0.504	P=0.752N
POLY 6	P=0.624N	P=0.732N	P=0.514	P=0.735N
RAO-SCOTT	P=0.594	P=0.712N	P=0.485	P=0.713N
LITTER C-A/FISHERS	P=0.591	P=0.754	P=0.500	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Harderian Gland Schwannoma Malignant				
TUMOR 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)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Schwannoma Malignant				
TUMOR RATES				
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	2/71.26	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	---	---	578	---
STATISTICAL TESTS				
POLY 3	P=0.620	(e)	P=0.244	(e)
POLY 1.5	P=0.609	(e)	P=0.241	(e)
POLY 6	P=0.636	(e)	P=0.248	(e)
RAO-SCOTT	P=0.640	(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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Small: Jejunum Carcinoma				
TUMOR 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)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Small: Site Unspecified Carcinoma				
TUMOR 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	1/76.06	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	---	---
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	5/90 (6%)	4/89 (4%)	3/90 (3%)	4/87 (5%)
LITTERS (b)	4/35 (11%)	4/35 (11%)	3/35 (9%)	4/35 (11%)
POLY-3 RATE (c)	5/69.46	4/74.86	3/71.15	4/72.85
POLY-3 PERCENT (g)	7.2%	5.3%	4.2%	5.5%
TERMINAL (d)	5/48 (10%)	2/53 (4%)	2/48 (4%)	3/57 (5%)
FIRST INCIDENCE	737 (T)	699	621	669
STATISTICAL TESTS				
POLY 3	P=0.426N	P=0.454N	P=0.345N	P=0.471N
POLY 1.5	P=0.438N	P=0.476N	P=0.352N	P=0.494N
POLY 6	P=0.407N	P=0.428N	P=0.334N	P=0.438N
RAO-SCOTT	P=0.422N	P=0.451N	P=0.346N	P=0.466N
LITTER C-A/FISHERS	P=0.555N	P=0.645	P=0.500N	P=0.645

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	1/89 (1%)	4/90 (4%)	4/87 (5%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	4/35 (11%)	4/35 (11%)
POLY-3 RATE (c)	2/69.56	1/74.70	4/70.99	4/72.60
POLY-3 PERCENT (g)	2.9%	1.3%	5.6%	5.5%
TERMINAL (d)	1/48 (2%)	1/53 (2%)	2/48 (4%)	4/57 (7%)
FIRST INCIDENCE	711	737 (T)	699	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.166	P=0.475N	P=0.348	P=0.358
POLY 1.5	P=0.159	P=0.487N	P=0.343	P=0.342
POLY 6	P=0.178	P=0.462N	P=0.355	P=0.381
RAO-SCOTT	P=0.188	P=0.467N	P=0.349	P=0.362
LITTER C-A/FISHERS	P=0.157	P=0.500N	P=0.337	P=0.337

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	5/89 (6%)	7/90 (8%)	7/87 (8%)
LITTERS (b)	6/35 (17%)	5/35 (14%)	7/35 (20%)	7/35 (20%)
POLY-3 RATE (c)	7/69.56	5/74.86	7/71.39	7/72.85
POLY-3 PERCENT (g)	10.1%	6.7%	9.8%	9.6%
TERMINAL (d)	6/48 (13%)	3/53 (6%)	4/48 (8%)	6/57 (11%)
FIRST INCIDENCE	711	699	621	669
STATISTICAL TESTS				
POLY 3	P=0.486	P=0.332N	P=0.591N	P=0.575N
POLY 1.5	P=0.467	P=0.356N	P=0.601N	P=0.604N
POLY 6	P=0.515	P=0.306N	P=0.575N	P=0.535N
RAO-SCOTT	P=0.487	P=0.323N	P=0.571N	P=0.558N
LITTER C-A/FISHERS	P=0.369	P=0.500N	P=0.500	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/90 (1%)	0/90 (0%)	1/89 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	1/75.69	0/70.74	1/74.79
POLY-3 PERCENT (g)	1.4%	1.3%	0%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	737 (T)	732	---	545
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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: Renal Tubule Carcinoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	2/90 (2%)	0/90 (0%)	1/89 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/70.13	2/75.67	0/70.74	1/74.79
POLY-3 PERCENT (g)	1.4%	2.6%	0%	1.3%
TERMINAL (d)	0/48 (0%)	2/53 (4%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	508	737 (T)	---	545
STATISTICAL TESTS				
POLY 3	P=0.491N	P=0.526	P=0.498N	P=0.746N
POLY 1.5	P=0.497N	P=0.516	P=0.499N	P=0.754N
POLY 6	P=0.482N	P=0.539	P=0.496N	P=0.736N
RAO-SCOTT	P=0.540N	P=0.592	P=0.609N	P=0.766N
LITTER C-A/FISHERS	P=0.616N	P=0.754	P=0.500N	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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: Renal Tubule Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	3/90 (3%)	0/90 (0%)	1/89 (1%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	2/70.13	3/75.69	0/70.74	1/74.79
POLY-3 PERCENT (g)	2.9%	4%	0%	1.3%
TERMINAL (d)	1/48 (2%)	2/53 (4%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	508	732	---	545
STATISTICAL TESTS				
POLY 3	P=0.233N	P=0.534	P=0.236N	P=0.478N
POLY 1.5	P=0.240N	P=0.520	P=0.237N	P=0.490N
POLY 6	P=0.225N	P=0.550	P=0.234N	P=0.462N
RAO-SCOTT	P=0.313N	P=0.573	P=0.344N	P=0.542N
LITTER C-A/FISHERS	P=0.295N	P=0.693	P=0.246N	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/>				
Liver				
Hepatocellular Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	2/90 (2%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	6/35 (17%)	2/35 (6%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	7/69.57	2/75.67	1/70.74	3/74.61
POLY-3 PERCENT (g)	10.1%	2.6%	1.4%	4%
TERMINAL (d)	6/48 (13%)	2/53 (4%)	1/48 (2%)	3/57 (5%)
FIRST INCIDENCE	707	737 (T)	737 (T)	737 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.136N	P=0.065N	P=0.031N*	P=0.135N
POLY 1.5	P=0.136N	P=0.072N	P=0.032N*	P=0.148N
POLY 6	P=0.136N	P=0.057N	P=0.029N*	P=0.120N
RAO-SCOTT	P=0.168N	P=0.106N	P=0.061N	P=0.183N
LITTER C-A/FISHERS	P=0.207N	P=0.130N	P=0.053N	P=0.239N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	3/90 (3%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	6/35 (17%)	3/35 (9%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	7/69.57	3/75.83	1/70.74	3/74.61
POLY-3 PERCENT (g)	10.1%	4%	1.4%	4%
TERMINAL (d)	6/48 (13%)	2/53 (4%)	1/48 (2%)	3/57 (5%)
FIRST INCIDENCE	707	696	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.113N	P=0.130N	P=0.031N*	P=0.135N
POLY 1.5	P=0.114N	P=0.143N	P=0.032N*	P=0.148N
POLY 6	P=0.111N	P=0.115N	P=0.029N*	P=0.120N
RAO-SCOTT	P=0.141N	P=0.171N	P=0.057N	P=0.176N
LITTER C-A/FISHERS	P=0.175N	P=0.239N	P=0.053N	P=0.239N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	3/90 (3%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	6/35 (17%)	3/35 (9%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	7/69.57	3/75.83	1/70.74	3/74.61
POLY-3 PERCENT (g)	10.1%	4%	1.4%	4%
TERMINAL (d)	6/48 (13%)	2/53 (4%)	1/48 (2%)	3/57 (5%)
FIRST INCIDENCE	707	696	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.113N	P=0.130N	P=0.031N*	P=0.135N
POLY 1.5	P=0.114N	P=0.143N	P=0.032N*	P=0.148N
POLY 6	P=0.111N	P=0.115N	P=0.029N*	P=0.120N
RAO-SCOTT	P=0.141N	P=0.171N	P=0.057N	P=0.176N
LITTER C-A/FISHERS	P=0.175N	P=0.239N	P=0.053N	P=0.239N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR 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)	---	---
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/90 (9%)	5/90 (6%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	7/35 (20%)	5/35 (14%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	8/70.89	5/75.75	2/70.74	2/74.86
POLY-3 PERCENT (g)	11.3%	6.6%	2.8%	2.7%
TERMINAL (d)	5/48 (10%)	4/53 (8%)	2/48 (4%)	1/57 (2%)
FIRST INCIDENCE	524	718	737 (T)	669
STATISTICAL TESTS				
POLY 3	P=0.022N*	P=0.240N	P=0.049N*	P=0.041N*
POLY 1.5	P=0.023N*	P=0.257N	P=0.050N*	P=0.045N*
POLY 6	P=0.020N*	P=0.223N	P=0.048N*	P=0.036N*
RAO-SCOTT	P=0.038N*	P=0.271N	P=0.075N	P=0.065N
LITTER C-A/FISHERS	P=0.036N*	P=0.376N	P=0.075N	P=0.075N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	10/90 (11%)	6/90 (7%)	8/90 (9%)	6/90 (7%)
LITTERS (b)	9/35 (26%)	6/35 (17%)	7/35 (20%)	6/35 (17%)
POLY-3 RATE (c)	10/70.58	6/77.33	8/72.07	6/76.27
POLY-3 PERCENT (g)	14.2%	7.8%	11.1%	7.9%
TERMINAL (d)	6/48 (13%)	4/53 (8%)	5/48 (10%)	3/57 (5%)
FIRST INCIDENCE	622	332	489	489
STATISTICAL TESTS				
POLY 3	P=0.214N	P=0.161N	P=0.382N	P=0.168N
POLY 1.5	P=0.226N	P=0.181N	P=0.392N	P=0.188N
POLY 6	P=0.198N	P=0.144N	P=0.370N	P=0.146N
RAO-SCOTT	P=0.218N	P=0.171N	P=0.379N	P=0.177N
LITTER C-A/FISHERS	P=0.284N	P=0.281N	P=0.388N	P=0.281N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	16/90 (18%)	11/90 (12%)	10/90 (11%)	8/90 (9%)
LITTERS (b)	13/35 (37%)	11/35 (31%)	9/35 (26%)	7/35 (20%)
POLY-3 RATE (c)	16/72.01	11/77.41	10/72.07	8/76.52
POLY-3 PERCENT (g)	22.2%	14.2%	13.9%	10.5%
TERMINAL (d)	9/48 (19%)	8/53 (15%)	7/48 (15%)	4/57 (7%)
FIRST INCIDENCE	524	332	489	489
STATISTICAL TESTS				
POLY 3	P=0.045N*	P=0.143N	P=0.137N	P=0.041N*
POLY 1.5	P=0.050N*	P=0.163N	P=0.140N	P=0.049N*
POLY 6	P=0.038N*	P=0.128N	P=0.134N	P=0.033N*
RAO-SCOTT	P=0.052N	P=0.153N	P=0.146N	P=0.049N*
LITTER C-A/FISHERS	P=0.065N	P=0.401N	P=0.220N	P=0.093N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	63/90 (70%)	68/90 (76%)	60/90 (67%)	62/90 (69%)
LITTERS (b)	31/35 (89%)	33/35 (94%)	33/35 (94%)	34/35 (97%)
POLY-3 RATE (c)	63/81.77	68/85.81	60/83.66	62/85.27
POLY-3 PERCENT (g)	77%	79.2%	71.7%	72.7%
TERMINAL (d)	36/48 (75%)	39/53 (74%)	32/48 (67%)	38/57 (67%)
FIRST INCIDENCE	464	464	383	283
STATISTICAL TESTS				
POLY 3	P=0.194N	P=0.435	P=0.264N	P=0.315N
POLY 1.5	P=0.234N	P=0.353	P=0.299N	P=0.379N
POLY 6	P=0.159N	P=0.527	P=0.237N	P=0.251N
RAO-SCOTT	P=0.219N	P=0.445	P=0.287N	P=0.334N
LITTER C-A/FISHERS	P=0.134	P=0.337	P=0.337	P=0.178

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	64/90 (71%)	69/90 (77%)	60/90 (67%)	62/90 (69%)
LITTERS (b)	31/35 (89%)	33/35 (94%)	33/35 (94%)	34/35 (97%)
POLY-3 RATE (c)	64/82.41	69/85.81	60/83.66	62/85.27
POLY-3 PERCENT (g)	77.7%	80.4%	71.7%	72.7%
TERMINAL (d)	36/48 (75%)	40/53 (76%)	32/48 (67%)	38/57 (67%)
FIRST INCIDENCE	464	464	383	283
STATISTICAL TESTS				
POLY 3	P=0.155N	P=0.398	P=0.233N	P=0.281N
POLY 1.5	P=0.183N	P=0.331	P=0.256N	P=0.331N
POLY 6	P=0.129N	P=0.474	P=0.217N	P=0.231N
RAO-SCOTT	P=0.182N	P=0.413	P=0.260N	P=0.304N
LITTER C-A/FISHERS	P=0.134	P=0.337	P=0.337	P=0.178

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	66/90 (73%)	72/90 (80%)	64/90 (71%)	64/90 (71%)
LITTERS (b)	31/35 (89%)	34/35 (97%)	35/35 (100%)	34/35 (97%)
POLY-3 RATE (c)	66/82.88	72/87.47	64/84.98	64/85.98
POLY-3 PERCENT (g)	79.6%	82.3%	75.3%	74.4%
TERMINAL (d)	36/48 (75%)	41/53 (77%)	33/48 (69%)	39/57 (68%)
FIRST INCIDENCE	464	332	383	283
STATISTICAL TESTS				
POLY 3	P=0.143N	P=0.398	P=0.308N	P=0.262N
POLY 1.5	P=0.170N	P=0.312	P=0.348N	P=0.315N
POLY 6	P=0.120N	P=0.475	P=0.276N	P=0.217N
RAO-SCOTT	P=0.166N	P=0.410	P=0.326N	P=0.282N
LITTER C-A/FISHERS	P=0.102	P=0.178	P=0.057	P=0.178

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma				
TUMOR 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)	2/70.01	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	565	---	---	---
STATISTICAL TESTS				
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=0.224N	P=0.358N	P=0.363N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR 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)	2/70.01	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	565	---	---	---
STATISTICAL TESTS				
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=0.224N	P=0.358N	P=0.363N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Granulosa Cell Tumor Malignant				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	2/70.04	0/75.67	1/71.19	0/74.61
POLY-3 PERCENT (g)	2.9%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	550	---	606	---
STATISTICAL TESTS				
POLY 3	P=0.193N	P=0.221N	P=0.494N	P=0.224N
POLY 1.5	P=0.192N	P=0.228N	P=0.497N	P=0.231N
POLY 6	P=0.194N	P=0.214N	P=0.489N	P=0.216N
RAO-SCOTT	P=0.257N	P=0.311N	P=0.532N	P=0.313N
LITTER C-A/FISHERS	P=0.187N	P=0.246N	P=0.500N	P=0.246N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Granulosa Cell Tumor: Benign, Malignant, NOS				
TUMOR 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)	3/70.48	0/75.67	1/71.19	0/74.61
POLY-3 PERCENT (g)	4.3%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	550	---	606	---
STATISTICAL TESTS				
POLY 3	P=0.089N	P=0.109N	P=0.303N	P=0.111N
POLY 1.5	P=0.088N	P=0.114N	P=0.305N	P=0.116N
POLY 6	P=0.090N	P=0.104N	P=0.299N	P=0.105N
RAO-SCOTT	P=0.143N	P=0.182N	P=0.363N	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Pancreas				
Adenoma				
TUMOR 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	---	---	---	---
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Pancreas Carcinoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	0/87 (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	2/71.27	0/72.60
POLY-3 PERCENT (g)	0%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	634	---
STATISTICAL TESTS				
POLY 3	P=0.618	(e)	P=0.244	(e)
POLY 1.5	P=0.604	(e)	P=0.241	(e)
POLY 6	P=0.637	(e)	P=0.249	(e)
RAO-SCOTT	P=0.637	(e)	P=0.363	(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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Pancreas Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	0/87 (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	2/71.27	0/72.60
POLY-3 PERCENT (g)	0%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	---	---	634	---
STATISTICAL TESTS				
POLY 3	P=0.618	(e)	P=0.244	(e)
POLY 1.5	P=0.604	(e)	P=0.241	(e)
POLY 6	P=0.637	(e)	P=0.249	(e)
RAO-SCOTT	P=0.637	(e)	P=0.363	(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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	43/90 (48%)	33/90 (37%)	38/90 (42%)	32/90 (36%)
LITTERS (b)	28/35 (80%)	24/35 (69%)	26/35 (74%)	23/35 (66%)
POLY-3 RATE (c)	43/75.36	33/77.57	38/74.17	32/77.02
POLY-3 PERCENT (g)	57.1%	42.5%	51.2%	41.6%
TERMINAL (d)	28/48 (58%)	23/53 (43%)	24/48 (50%)	24/57 (42%)
FIRST INCIDENCE	464	578	545	565
STATISTICAL TESTS				
POLY 3	P=0.072N	P=0.045N*	P=0.284N	P=0.035N*
POLY 1.5	P=0.085N	P=0.058N	P=0.281N	P=0.045N*
POLY 6	P=0.058N	P=0.037N*	P=0.283N	P=0.025N*
RAO-SCOTT	P=0.077N	P=0.049N*	P=0.283N	P=0.038N*
LITTER C-A/FISHERS	P=0.162N	P=0.206N	P=0.388N	P=0.141N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	44/90 (49%)	34/90 (38%)	38/90 (42%)	33/90 (37%)
LITTERS (b)	29/35 (83%)	24/35 (69%)	26/35 (74%)	23/35 (66%)
POLY-3 RATE (c)	44/76.00	34/77.57	38/74.17	33/77.02
POLY-3 PERCENT (g)	57.9%	43.8%	51.2%	42.8%
TERMINAL (d)	28/48 (58%)	24/53 (45%)	24/48 (50%)	25/57 (44%)
FIRST INCIDENCE	464	578	545	565
STATISTICAL TESTS				
POLY 3	P=0.075N	P=0.050N*	P=0.248N	P=0.039N*
POLY 1.5	P=0.086N	P=0.061N	P=0.239N	P=0.048N*
POLY 6	P=0.063N	P=0.044N*	P=0.255N	P=0.031N*
RAO-SCOTT	P=0.082N	P=0.056N	P=0.250N	P=0.044N*
LITTER C-A/FISHERS	P=0.111N	P=0.132N	P=0.281N	P=0.085N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	1/35 (3%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	1/76.13	2/70.78	2/74.61
POLY-3 PERCENT (g)	0%	1.3%	2.8%	2.7%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	2/57 (4%)
FIRST INCIDENCE	---	602	727	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.177	P=0.518	P=0.242	P=0.254
POLY 1.5	P=0.170	P=0.511	P=0.240	P=0.247
POLY 6	P=0.187	P=0.527	P=0.246	P=0.264
RAO-SCOTT	P=0.204	P=0.525	P=0.266	P=0.282
LITTER C-A/FISHERS	P=0.158	P=0.500	P=0.246	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	3/90 (3%)	2/90 (2%)	4/90 (4%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	2/35 (6%)	4/35 (11%)
POLY-3 RATE (c)	2/70.04	3/75.67	2/70.74	4/74.61
POLY-3 PERCENT (g)	2.9%	4%	2.8%	5.4%
TERMINAL (d)	1/48 (2%)	3/53 (6%)	2/48 (4%)	4/57 (7%)
FIRST INCIDENCE	550	737 (T)	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.302	P=0.535	P=0.690N	P=0.368
POLY 1.5	P=0.294	P=0.521	P=0.692N	P=0.355
POLY 6	P=0.315	P=0.551	P=0.686N	P=0.386
RAO-SCOTT	P=0.303	P=0.514	P=0.658N	P=0.355
LITTER C-A/FISHERS	P=0.280	P=0.500	P=0.693	P=0.337

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	4/90 (4%)	2/90 (2%)	5/90 (6%)
LITTERS (b)	5/35 (14%)	4/35 (11%)	2/35 (6%)	5/35 (14%)
POLY-3 RATE (c)	5/71.98	4/76.67	2/70.74	5/74.86
POLY-3 PERCENT (g)	7%	5.2%	2.8%	6.7%
TERMINAL (d)	1/48 (2%)	3/53 (6%)	2/48 (4%)	4/57 (7%)
FIRST INCIDENCE	268	123	737 (T)	669
STATISTICAL TESTS				
POLY 3	P=0.567N	P=0.461N	P=0.226N	P=0.604N
POLY 1.5	P=0.567	P=0.477N	P=0.226N	P=0.617N
POLY 6	P=0.558N	P=0.443N	P=0.224N	P=0.582N
RAO-SCOTT	P=0.551N	P=0.449N	P=0.220N	P=0.586N
LITTER C-A/FISHERS	P=0.571	P=0.500N	P=0.214N	P=0.633

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	4/90 (4%)	2/90 (2%)	5/90 (6%)
LITTERS (b)	5/35 (14%)	4/35 (11%)	2/35 (6%)	5/35 (14%)
POLY-3 RATE (c)	5/71.98	4/76.67	2/70.74	5/74.86
POLY-3 PERCENT (g)	7%	5.2%	2.8%	6.7%
TERMINAL (d)	1/48 (2%)	3/53 (6%)	2/48 (4%)	4/57 (7%)
FIRST INCIDENCE	268	123	737 (T)	669
STATISTICAL TESTS				
POLY 3	P=0.567N	P=0.461N	P=0.226N	P=0.604N
POLY 1.5	P=0.567	P=0.477N	P=0.226N	P=0.617N
POLY 6	P=0.558N	P=0.443N	P=0.224N	P=0.582N
RAO-SCOTT	P=0.551N	P=0.449N	P=0.220N	P=0.586N
LITTER C-A/FISHERS	P=0.571	P=0.500N	P=0.214N	P=0.633

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
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	1/76.67	0/70.74	1/74.86
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	---	123	---	669
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/90 (1%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	3/35 (9%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	3/71.40	1/76.67	0/70.74	1/74.86
POLY-3 PERCENT (g)	4.2%	1.3%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	268	123	---	669
STATISTICAL TESTS				
POLY 3	P=0.207N	P=0.282N	P=0.122N	P=0.290N
POLY 1.5	P=0.205N	P=0.292N	P=0.123N	P=0.299N
POLY 6	P=0.208N	P=0.270N	P=0.121N	P=0.276N
RAO-SCOTT	P=0.237N	P=0.320N	P=0.162N	P=0.326N
LITTER C-A/FISHERS	P=0.199N	P=0.307N	P=0.120N	P=0.307N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Keratoacanthoma				
TUMOR 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	1/74.61
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)
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Lipoma				
TUMOR 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)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Sarcoma				
TUMOR 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)	2/71.30	0/75.67	0/70.74	0/74.61
POLY-3 PERCENT (g)	2.8%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	268	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.121N	P=0.225N	P=0.240N	P=0.228N
POLY 1.5	P=0.118N	P=0.231N	P=0.240N	P=0.234N
POLY 6	P=0.125N	P=0.218N	P=0.237N	P=0.220N
RAO-SCOTT	P=0.227N	P=0.366N	P=0.370N	P=0.367N
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Squamous Cell Papilloma				
TUMOR 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)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	0/75.67	2/70.78	2/74.61
POLY-3 PERCENT (g)	0%	0%	2.8%	2.7%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	2/57 (4%)
FIRST INCIDENCE	---	---	727	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.094	(e)	P=0.242	P=0.254
POLY 1.5	P=0.090	(e)	P=0.240	P=0.247
POLY 6	P=0.099	(e)	P=0.246	P=0.264
RAO-SCOTT	P=0.150	(e)	P=0.310	P=0.327
LITTER C-A/FISHERS	P=0.085	(e)	P=0.246	P=0.246

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR 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	1/70.74	1/74.61
POLY-3 PERCENT (g)	0%	0%	1.4%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	---	---	737 (T)	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Hemangiosarcoma				
TUMOR RATES				
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)	1/70.13	0/75.67	0/70.74	1/75.20
POLY-3 PERCENT (g)	1.4%	0%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	508	---	---	545
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Thymoma Benign				
<hr/>				
TUMOR RATES				
OVERALL (a)	1/87 (1%)	1/86 (1%)	0/88 (0%)	0/86 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	0/34 (0%)
POLY-3 RATE (c)	1/66.71	1/72.59	0/68.91	0/72.03
POLY-3 PERCENT (g)	1.5%	1.4%	0%	0%
TERMINAL (d)	1/46 (2%)	1/52 (2%)	0/47 (0%)	0/55 (0%)
FIRST INCIDENCE	737 (T)	737 (T)	---	---
<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 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Thymoma: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	2/87 (2%)	2/86 (2%)	0/88 (0%)	0/86 (0%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	0/35 (0%)	0/34 (0%)
POLY-3 RATE (c)	2/66.71	2/72.59	0/68.91	0/72.03
POLY-3 PERCENT (g)	3%	2.8%	0%	0%
TERMINAL (d)	2/46 (4%)	2/52 (4%)	0/47 (0%)	0/55 (0%)
FIRST INCIDENCE	737 (T)	737 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.083N	P=0.663N	P=0.231N	P=0.222N
POLY 1.5	P=0.085N	P=0.677N	P=0.233N	P=0.230N
POLY 6	P=0.080N	P=0.646N	P=0.227N	P=0.212N
RAO-SCOTT	P=0.137N	P=0.663N	P=0.298N	P=0.297N
LITTER C-A/FISHERS	P=0.087N	P=0.693	P=0.246N	P=0.254N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	6/90 (7%)	11/88 (13%)	8/90 (9%)	13/88 (15%)
LITTERS (b)	6/35 (17%)	10/35 (29%)	8/35 (23%)	12/35 (34%)
POLY-3 RATE (c)	6/70.60	11/75.01	8/70.95	13/73.91
POLY-3 PERCENT (g)	8.5%	14.7%	11.3%	17.6%
TERMINAL (d)	3/48 (6%)	8/53 (15%)	6/48 (13%)	12/57 (21%)
FIRST INCIDENCE	608	699	695	656
STATISTICAL TESTS				
POLY 3	P=0.100	P=0.183	P=0.393	P=0.084
POLY 1.5	P=0.092	P=0.166	P=0.391	P=0.074
POLY 6	P=0.113	P=0.205	P=0.396	P=0.098
RAO-SCOTT	P=0.108	P=0.188	P=0.383	P=0.091
LITTER C-A/FISHERS	P=0.096	P=0.197	P=0.383	P=0.085

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: C-Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/88 (0%)	1/90 (1%)	1/88 (1%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	0/74.66	1/70.74	1/73.62
POLY-3 PERCENT (g)	0%	0%	1.4%	1.4%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	1/48 (2%)	1/57 (2%)
FIRST INCIDENCE	---	---	737 (T)	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	6/90 (7%)	11/88 (13%)	9/90 (10%)	14/88 (16%)
LITTERS (b)	6/35 (17%)	10/35 (29%)	9/35 (26%)	13/35 (37%)
POLY-3 RATE (c)	6/70.60	11/75.01	9/70.95	14/73.91
POLY-3 PERCENT (g)	8.5%	14.7%	12.7%	18.9%
TERMINAL (d)	3/48 (6%)	8/53 (15%)	7/48 (15%)	13/57 (23%)
FIRST INCIDENCE	608	699	695	656
STATISTICAL TESTS				
POLY 3	P=0.062	P=0.183	P=0.295	P=0.056
POLY 1.5	P=0.056	P=0.166	P=0.294	P=0.049*
POLY 6	P=0.070	P=0.205	P=0.298	P=0.066
RAO-SCOTT	P=0.068	P=0.186	P=0.290	P=0.061
LITTER C-A/FISHERS	P=0.054	P=0.197	P=0.281	P=0.053

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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

Thyroid Gland: Follicular Cell Adenoma

TUMOR RATES

OVERALL (a)	0/90 (0%)	0/88 (0%)	0/90 (0%)	0/88 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/74.66	0/70.74	0/73.62
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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

Thyroid Gland: Follicular Cell
Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	1/90 (1%)	0/88 (0%)	0/90 (0%)	0/88 (0%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/74.66	0/70.74	0/73.62
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)	---	---	---

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/90 (1%)	2/90 (2%)	5/90 (6%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	2/35 (6%)	5/35 (14%)
POLY-3 RATE (c)	3/69.46	1/75.67	2/70.74	5/74.61
POLY-3 PERCENT (g)	4.3%	1.3%	2.8%	6.7%
TERMINAL (d)	3/48 (6%)	1/53 (2%)	2/48 (4%)	5/57 (9%)
FIRST INCIDENCE	737 (T)	737 (T)	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.166	P=0.277N	P=0.492N	P=0.398
POLY 1.5	P=0.164	P=0.289N	P=0.496N	P=0.380
POLY 6	P=0.171	P=0.263N	P=0.485N	P=0.422
RAO-SCOTT	P=0.217	P=0.316N	P=0.500N	P=0.420
LITTER C-A/FISHERS	P=0.075	P=0.500N	P=0.693	P=0.214

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Hemangiosarcoma				
TUMOR 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)	---	---	---
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=0.229N	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

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	16/90 (18%)	18/90 (20%)	11/90 (12%)	17/90 (19%)
LITTERS (b)	11/35 (31%)	14/35 (40%)	10/35 (29%)	13/35 (37%)
POLY-3 RATE (c)	16/70.60	18/76.67	11/71.25	17/76.15
POLY-3 PERCENT (g)	22.7%	23.5%	15.4%	22.3%
TERMINAL (d)	14/48 (29%)	14/53 (26%)	6/48 (13%)	11/57 (19%)
FIRST INCIDENCE	531	602	656	594
STATISTICAL TESTS				
POLY 3	P=0.460N	P=0.531	P=0.186N	P=0.559N
POLY 1.5	P=0.490N	P=0.486	P=0.194N	P=0.552
POLY 6	P=0.415N	P=0.572N	P=0.173N	P=0.495N
RAO-SCOTT	P=0.461N	P=0.530	P=0.216N	P=0.554N
LITTER C-A/FISHERS	P=0.452	P=0.309	P=0.500N	P=0.401

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Sarcoma Stromal				
TUMOR RATES	#	#	#	#
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	1/75.96	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	---	657	737 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.592N	P=0.518	P=0.242	(e)
POLY 1.5	P=0.603N	P=0.510	P=0.240	(e)
POLY 6	P=0.577N	P=0.526	P=0.245	(e)
RAO-SCOTT	P=0.614N	P=0.572	P=0.309	(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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	16/90 (18%)	19/90 (21%)	13/90 (14%)	17/90 (19%)
LITTERS (b)	11/35 (31%)	15/35 (43%)	11/35 (31%)	13/35 (37%)
POLY-3 RATE (c)	16/70.60	19/76.96	13/71.25	17/76.15
POLY-3 PERCENT (g)	22.7%	24.7%	18.2%	22.3%
TERMINAL (d)	14/48 (29%)	14/53 (26%)	8/48 (17%)	11/57 (19%)
FIRST INCIDENCE	531	602	656	594
STATISTICAL TESTS				
POLY 3	P=0.445N	P=0.462	P=0.327N	P=0.559N
POLY 1.5	P=0.477N	P=0.414	P=0.336N	P=0.552
POLY 6	P=0.398N	P=0.522	P=0.311N	P=0.495N
RAO-SCOTT	P=0.451N	P=0.465	P=0.341N	P=0.553N
LITTER C-A/FISHERS	P=0.476	P=0.229	P=0.601	P=0.401

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	2/70.12	0/75.67	1/71.13	1/75.01
POLY-3 PERCENT (g)	2.9%	0%	1.4%	1.3%
TERMINAL (d)	1/48 (2%)	0/53 (0%)	0/48 (0%)	0/57 (0%)
FIRST INCIDENCE	513	---	628	622
STATISTICAL TESTS				
POLY 3	P=0.505N	P=0.222N	P=0.495N	P=0.477N
POLY 1.5	P=0.504N	P=0.228N	P=0.498N	P=0.488N
POLY 6	P=0.506N	P=0.214N	P=0.490N	P=0.462N
RAO-SCOTT	P=0.541N	P=0.370N	P=0.567N	P=0.560N
LITTER C-A/FISHERS	P=0.539	P=0.500N	P=0.754	P=0.754

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
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	2/71.09	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	---	---	640	---
STATISTICAL TESTS				
POLY 3	P=0.621	(e)	P=0.243	(e)
POLY 1.5	P=0.609	(e)	P=0.241	(e)
POLY 6	P=0.636	(e)	P=0.247	(e)
RAO-SCOTT	P=0.642	(e)	P=0.370	(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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	3/35 (9%)	0/35 (0%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	3/70.13	0/75.67	1/70.74	1/75.20
POLY-3 PERCENT (g)	4.3%	0%	1.4%	1.3%
TERMINAL (d)	2/48 (4%)	0/53 (0%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	508	---	737 (T)	545
STATISTICAL TESTS				
POLY 3	P=0.304N	P=0.108N	P=0.303N	P=0.282N
POLY 1.5	P=0.301N	P=0.113N	P=0.305N	P=0.293N
POLY 6	P=0.305N	P=0.102N	P=0.299N	P=0.267N
RAO-SCOTT	P=0.325N	P=0.155N	P=0.338N	P=0.324N
LITTER C-A/FISHERS	P=0.295N	P=0.120N	P=0.307N	P=0.307N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018
 Time Report Requested: 14:02:37
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/90 (1%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	3/35 (9%)	1/35 (3%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	3/70.13	1/75.67	1/70.74	1/75.20
POLY-3 PERCENT (g)	4.3%	1.3%	1.4%	1.3%
TERMINAL (d)	2/48 (4%)	1/53 (2%)	1/48 (2%)	0/57 (0%)
FIRST INCIDENCE	508	737 (T)	737 (T)	545
STATISTICAL TESTS				
POLY 3	P=0.242N	P=0.280N	P=0.303N	P=0.282N
POLY 1.5	P=0.244N	P=0.291N	P=0.305N	P=0.293N
POLY 6	P=0.240N	P=0.268N	P=0.299N	P=0.267N
RAO-SCOTT	P=0.260N	P=0.303N	P=0.320N	P=0.305N
LITTER C-A/FISHERS	P=0.240N	P=0.307N	P=0.307N	P=0.307N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	4/90 (4%)	2/90 (2%)	5/90 (6%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	2/35 (6%)	5/35 (14%)
POLY-3 RATE (c)	5/71.54	4/77.03	2/71.77	5/76.92
POLY-3 PERCENT (g)	7%	5.2%	2.8%	6.5%
TERMINAL (d)	0/48 (0%)	0/53 (0%)	0/48 (0%)	1/57 (2%)
FIRST INCIDENCE	268	545	450	299
STATISTICAL TESTS				
POLY 3	P=0.553N	P=0.455N	P=0.218N	P=0.582N
POLY 1.5	P=0.560N	P=0.474N	P=0.220N	P=0.603N
POLY 6	P=0.542N	P=0.432N	P=0.214N	P=0.556N
RAO-SCOTT	P=0.537N	P=0.454N	P=0.229N	P=0.572N
LITTER C-A/FISHERS	P=0.518	P=0.355N	P=0.214N	P=0.633

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/04/2018

Time Report Requested: 14:02:37

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

Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant Schwannoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/90 (4%)	1/90 (1%)	5/90 (6%)	2/90 (2%)
LITTERS (b)	3/35 (9%)	1/35 (3%)	5/35 (14%)	2/35 (6%)
POLY-3 RATE (c)	4/70.83	1/76.40	5/71.89	2/75.01
POLY-3 PERCENT (g)	5.7%	1.3%	7%	2.7%
TERMINAL (d)	2/48 (4%)	0/53 (0%)	2/48 (4%)	1/57 (2%)
FIRST INCIDENCE	489	480	578	622
STATISTICAL TESTS				
POLY 3	P=0.412N	P=0.159N	P=0.509	P=0.313N
POLY 1.5	P=0.418N	P=0.168N	P=0.503	P=0.325N
POLY 6	P=0.401N	P=0.150N	P=0.520	P=0.296N
RAO-SCOTT	P=0.428N	P=0.212N	P=0.519	P=0.354N
LITTER C-A/FISHERS	P=0.563N	P=0.307N	P=0.355	P=0.500N

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR 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)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Mesothelioma: Malignant				
TUMOR 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)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	82/90 (91%)	83/90 (92%)	75/90 (83%)	80/90 (89%)
LITTERS (b)	35/35 (100%)	33/35 (94%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	82/84.48	83/86.75	75/84.98	80/86.04
POLY-3 PERCENT (g)	97.1%	95.7%	88.3%	93%
TERMINAL (d)	48/48 (100%)	51/53 (96%)	41/48 (85%)	53/57 (93%)
FIRST INCIDENCE	464	464	383	283
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.464N	P=0.016N*	P=0.157N
POLY 1.5	P=0.129N	P=0.588N	P=0.028N*	P=0.225N
POLY 6	P=0.090N	P=0.343N	P=0.012N*	P=0.118N
RAO-SCOTT	P=0.129N	P=0.469N	P=0.031N*	P=0.196N
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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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Lab: IIT

STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	37/90 (41%)	30/90 (33%)	30/90 (33%)	28/90 (31%)
LITTERS (b)	25/35 (71%)	21/35 (60%)	23/35 (66%)	22/35 (63%)
POLY-3 RATE (c)	37/76.89	30/82.09	30/76.66	28/79.42
POLY-3 PERCENT (g)	48.1%	36.6%	39.1%	35.3%
TERMINAL (d)	21/48 (44%)	15/53 (28%)	14/48 (29%)	18/57 (32%)
FIRST INCIDENCE	268	123	439	299
STATISTICAL TESTS				
POLY 3	P=0.100N	P=0.089N	P=0.163N	P=0.066N
POLY 1.5	P=0.113N	P=0.118N	P=0.175N	P=0.084N
POLY 6	P=0.084N	P=0.065N	P=0.139N	P=0.048N*
RAO-SCOTT	P=0.100N	P=0.093N	P=0.165N	P=0.070N
LITTER C-A/FISHERS	P=0.349N	P=0.225N	P=0.399N	P=0.306N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: GSM
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	89/90 (99%)	87/90 (97%)	82/90 (91%)	86/90 (96%)
LITTERS (b)	35/35 (100%)	34/35 (97%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	89/89.02	87/89.50	82/88.29	86/88.47
POLY-3 PERCENT (g)	100%	97.2%	92.9%	97.2%
TERMINAL (d)	48/48 (100%)	51/53 (96%)	42/48 (88%)	55/57 (97%)
FIRST INCIDENCE	268	123	383	283
STATISTICAL TESTS				
POLY 3	P=0.180N	P=0.161N	P=0.013N*	P=0.159N
POLY 1.5	P=0.156N	P=0.162N	P=0.012N*	P=0.132N
POLY 6	P=0.204N	P=0.191N	P=0.016N*	P=0.202N
RAO-SCOTT	P=0.220N	P=0.226N	P=0.028N*	P=0.226N
LITTER C-A/FISHERS	P=0.567	P=0.500N	(e)	(e)

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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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 ***