

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
Time Report Requested: 13:54:59
First Dose M/F: 09/16/12 / 09/16/12
Lab: IIT

Custom Report with Litter-Based Statistics

NTP Study Number:	C20105B		
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

Parathyroid Gland

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: CDMA

MALE RATS

Organ

Adrenal Medulla

Brain

Heart

Pancreas

Pituitary Gland: Pars Distalis or Unspecified Site

Skin

Spleen

Thyroid Gland: C-Cell

All Organs

Morphology

Pheochromocytoma Benign

Pheochromocytoma: Benign, Complex, Malignant, NOS

Glioma Malignant

Schwannoma Malignant

Adenoma

Carcinoma or Adenoma

Adenoma

Carcinoma or Adenoma

Fibroma

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma

Hemangiosarcoma

Carcinoma

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

FEMALE RATS

Organ

Adrenal Medulla

Liver

Mammary Gland

Ovary

Pituitary Gland: Pars Distalis or Unspecified Site

Morphology

Pheochromocytoma Benign

Pheochromocytoma: Benign, Complex, Malignant, NOS

Hepatocellular Adenoma

Hepatocellular Carcinoma or Hepatocellular Adenoma

Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

Adenoma

Carcinoma

Carcinoma or Adenoma

Granulosa Cell Tumor: Benign, Malignant, NOS

Adenoma

Carcinoma or Adenoma

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

Skin

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma

All Organs

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma
Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma

Hemangiosarcoma

Hemangiosarcoma or Hemangioma

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

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Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	3/90 (3%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/65.75	3/74.15	0/78.35	0/66.13
POLY-3 PERCENT (g)	1.5%	4.1%	0%	0%
TERMINAL (d)	0/25 (0%)	2/43 (5%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	654	705	---	---
STATISTICAL TESTS				
POLY 3	P=0.138N	P=0.350	P=0.465N	P=0.499N
POLY 1.5	P=0.146N	P=0.332	P=0.481N	P=0.503N
POLY 6	P=0.123N	P=0.382	P=0.441N	P=0.487N
RAO-SCOTT	P=0.196N	P=0.392	P=0.516N	P=0.520N
LITTER C-A/FISHERS	P=0.152N	P=0.307	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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Adrenal Cortex Carcinoma

TUMOR RATES

OVERALL (a)	0/90 (0%)	3/90 (3%)	0/90 (0%)	2/89 (2%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/65.47	3/74.05	0/78.35	2/66.59
POLY-3 PERCENT (g)	0%	4.1%	0%	3%
TERMINAL (d)	0/25 (0%)	3/43 (7%)	0/56 (0%)	1/43 (2%)
FIRST INCIDENCE	---	730 (T)	---	594

STATISTICAL TESTS

POLY 3	P=0.374	P=0.144	(e)	P=0.242
POLY 1.5	P=0.359	P=0.134	(e)	P=0.236
POLY 6	P=0.408	P=0.162	(e)	P=0.257
RAO-SCOTT	P=0.420	P=0.280	(e)	P=0.379
LITTER C-A/FISHERS	P=0.246	P=0.246	(e)	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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	10/88 (11%)	19/90 (21%)	22/90 (24%)	13/90 (14%)
LITTERS (b)	8/35 (23%)	13/35 (37%)	17/35 (49%)	12/35 (34%)
POLY-3 RATE (c)	10/65.60	19/74.88	22/79.11	13/68.08
POLY-3 PERCENT (g)	15.2%	25.4%	27.8%	19.1%
TERMINAL (d)	3/23 (13%)	14/43 (33%)	16/56 (29%)	9/43 (21%)
FIRST INCIDENCE	510	647	642	497
STATISTICAL TESTS				
POLY 3	P=0.444	P=0.099	P=0.051	P=0.358
POLY 1.5	P=0.426	P=0.080	P=0.032*	P=0.343
POLY 6	P=0.510	P=0.138	P=0.102	P=0.410
RAO-SCOTT	P=0.440	P=0.121	P=0.070	P=0.363
LITTER C-A/FISHERS	P=0.219	P=0.148	P=0.022*	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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Adrenal Medulla
Pheochromocytoma Malignant

TUMOR RATES

OVERALL (a)	1/88 (1%)	3/90 (3%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	3/35 (9%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	1/63.91	3/74.05	3/78.35	1/66.92
POLY-3 PERCENT (g)	1.6%	4.1%	3.8%	1.5%
TERMINAL (d)	0/23 (0%)	3/43 (7%)	3/56 (5%)	0/43 (0%)
FIRST INCIDENCE	604	730 (T)	730 (T)	500

STATISTICAL TESTS

POLY 3	P=0.483N	P=0.361	P=0.382	P=0.751N
POLY 1.5	P=0.494N	P=0.341	P=0.351	P=0.756N
POLY 6	P=0.453N	P=0.394	P=0.434	P=0.736N
RAO-SCOTT	P=0.479N	P=0.352	P=0.375	P=0.704N
LITTER C-A/FISHERS	P=0.500N	P=0.307	P=0.307	P=0.754

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	11/88 (13%)	21/90 (23%)	23/90 (26%)	14/90 (16%)
LITTERS (b)	9/35 (26%)	15/35 (43%)	18/35 (51%)	13/35 (37%)
POLY-3 RATE (c)	11/66.03	21/74.88	23/79.11	14/68.76
POLY-3 PERCENT (g)	16.7%	28.1%	29.1%	20.4%
TERMINAL (d)	3/23 (13%)	16/43 (37%)	17/56 (30%)	9/43 (21%)
FIRST INCIDENCE	510	647	642	497
STATISTICAL TESTS				
POLY 3	P=0.485	P=0.076	P=0.057	P=0.369
POLY 1.5	P=0.463	P=0.061	P=0.036*	P=0.352
POLY 6	P=0.520N	P=0.107	P=0.111	P=0.424
RAO-SCOTT	P=0.474	P=0.091	P=0.070	P=0.368
LITTER C-A/FISHERS	P=0.251	P=0.104	P=0.024*	P=0.220

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STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Brain				
Glioma Malignant				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	3/90 (3%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	0/65.47	0/74.05	0/78.35	3/66.24
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	3/43 (7%)
FIRST INCIDENCE	---	---	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.011*	(e)	(e)	P=0.122
POLY 1.5	P=0.011*	(e)	(e)	P=0.120
POLY 6	P=0.011*	(e)	(e)	P=0.133
RAO-SCOTT	P=0.044*	(e)	(e)	P=0.221
LITTER C-A/FISHERS	P=0.012*	(e)	(e)	P=0.120

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Brain				
Granular Cell Tumor Benign				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	1/65.47	0/74.05	1/78.35	2/66.73
POLY-3 PERCENT (g)	1.5%	0%	1.3%	3%
TERMINAL (d)	1/25 (4%)	0/43 (0%)	1/56 (2%)	1/43 (2%)
FIRST INCIDENCE	730 (T)	---	730 (T)	582
STATISTICAL TESTS				
POLY 3	P=0.237	P=0.475N	P=0.719N	P=0.507
POLY 1.5	P=0.239	P=0.486N	P=0.738N	P=0.499
POLY 6	P=0.239	P=0.459N	P=0.686N	P=0.530
RAO-SCOTT	P=0.260	P=0.475N	P=0.700N	P=0.494
LITTER C-A/FISHERS	P=0.246	P=0.500N	P=0.754	P=0.500

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 105 WEEKS**

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

Brain
Granular Cell Tumor: Benign or Malignant

TUMOR RATES

OVERALL (a)	1/90 (1%)	1/90 (1%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	1/65.47	1/74.05	2/78.35	2/66.73
POLY-3 PERCENT (g)	1.5%	1.4%	2.6%	3%
TERMINAL (d)	1/25 (4%)	1/43 (2%)	2/56 (4%)	1/43 (2%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	582

STATISTICAL TESTS

POLY 3	P=0.331	P=0.733N	P=0.562	P=0.507
POLY 1.5	P=0.329	P=0.745N	P=0.534	P=0.499
POLY 6	P=0.345	P=0.712N	P=0.605	P=0.530
RAO-SCOTT	P=0.325	P=0.692N	P=0.535	P=0.470
LITTER C-A/FISHERS	P=0.336	P=0.754	P=0.500	P=0.500

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Heart				
Schwannoma Malignant				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	3/90 (3%)	6/90 (7%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	3/35 (9%)	6/35 (17%)
POLY-3 RATE (c)	0/65.47	2/74.05	3/78.67	6/67.94
POLY-3 PERCENT (g)	0%	2.7%	3.8%	8.8%
TERMINAL (d)	0/25 (0%)	2/43 (5%)	2/56 (4%)	3/43 (7%)
FIRST INCIDENCE	---	730 (T)	642	488
STATISTICAL TESTS				
POLY 3	P=0.007**	P=0.266	P=0.157	P=0.019*
POLY 1.5	P=0.007**	P=0.254	P=0.140	P=0.018*
POLY 6	P=0.009**	P=0.287	P=0.189	P=0.024*
RAO-SCOTT	P=0.011*	P=0.273	P=0.175	P=0.030*
LITTER C-A/FISHERS	P=0.006**	P=0.246	P=0.120	P=0.012*

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Intestine Small: Jejunum Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/65.79	1/74.05	0/78.35	0/66.24
POLY-3 PERCENT (g)	3%	1.4%	0%	0%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	655	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.099N	P=0.459N	P=0.202N	P=0.236N
POLY 1.5	P=0.101N	P=0.476N	P=0.218N	P=0.240N
POLY 6	P=0.098N	P=0.431N	P=0.179N	P=0.224N
RAO-SCOTT	P=0.154N	P=0.502N	P=0.291N	P=0.308N
LITTER C-A/FISHERS	P=0.100N	P=0.500N	P=0.246N	P=0.246N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0.0W/kg(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	1/90 (1%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	2/65.79	1/74.05	1/78.67	0/66.24
POLY-3 PERCENT (g)	3%	1.4%	1.3%	0%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	655	730 (T)	642	---
STATISTICAL TESTS				
POLY 3	P=0.157N	P=0.459N	P=0.438N	P=0.236N
POLY 1.5	P=0.158N	P=0.476N	P=0.466N	P=0.240N
POLY 6	P=0.154N	P=0.431N	P=0.395N	P=0.224N
RAO-SCOTT	P=0.173N	P=0.463N	P=0.449N	P=0.254N
LITTER C-A/FISHERS	P=0.152N	P=0.500N	P=0.500N	P=0.246N

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Species/Strain: RATS/HSD

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Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	5/90 (6%)	11/88 (13%)	8/87 (9%)	7/79 (9%)
LITTERS (b)	5/35 (14%)	8/35 (23%)	6/35 (17%)	7/35 (20%)
POLY-3 RATE (c)	5/66.15	11/73.04	8/76.09	7/62.58
POLY-3 PERCENT (g)	7.6%	15.1%	10.5%	11.2%
TERMINAL (d)	2/25 (8%)	8/43 (19%)	7/56 (13%)	6/43 (14%)
FIRST INCIDENCE	624	605	726	665
STATISTICAL TESTS				
POLY 3	P=0.471	P=0.130	P=0.376	P=0.342
POLY 1.5	P=0.433	P=0.110	P=0.321	P=0.317
POLY 6	P=0.542	P=0.170	P=0.468	P=0.398
RAO-SCOTT	P=0.458	P=0.167	P=0.396	P=0.364
LITTER C-A/FISHERS	P=0.413	P=0.270	P=0.500	P=0.376

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	8/90 (9%)	6/88 (7%)	13/87 (15%)	6/79 (8%)
LITTERS (b)	8/35 (23%)	6/35 (17%)	12/35 (34%)	6/35 (17%)
POLY-3 RATE (c)	8/66.42	6/72.34	13/76.48	6/62.97
POLY-3 PERCENT (g)	12%	8.3%	17%	9.5%
TERMINAL (d)	3/25 (12%)	6/43 (14%)	10/56 (18%)	3/43 (7%)
FIRST INCIDENCE	663	730 (T)	642	582
STATISTICAL TESTS				
POLY 3	P=0.530N	P=0.326N	P=0.275	P=0.429N
POLY 1.5	P=0.543	P=0.360N	P=0.215	P=0.462N
POLY 6	P=0.472N	P=0.276N	P=0.386	P=0.367N
RAO-SCOTT	P=0.512N	P=0.313N	P=0.268	P=0.411N
LITTER C-A/FISHERS	P=0.446N	P=0.383N	P=0.214	P=0.383N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	13/90 (14%)	17/88 (19%)	18/87 (21%)	13/79 (16%)
LITTERS (b)	12/35 (34%)	14/35 (40%)	14/35 (40%)	11/35 (31%)
POLY-3 RATE (c)	13/67.10	17/73.04	18/76.49	13/63.21
POLY-3 PERCENT (g)	19.4%	23.3%	23.5%	20.6%
TERMINAL (d)	5/25 (20%)	14/43 (33%)	14/56 (25%)	9/43 (21%)
FIRST INCIDENCE	624	605	642	582
STATISTICAL TESTS				
POLY 3	P=0.523	P=0.359	P=0.344	P=0.520
POLY 1.5	P=0.477	P=0.312	P=0.265	P=0.477
POLY 6	P=0.473N	P=0.440	P=0.483	P=0.574N
RAO-SCOTT	P=0.510	P=0.357	P=0.343	P=0.506
LITTER C-A/FISHERS	P=0.395N	P=0.402	P=0.402	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Kidney: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	1/90 (1%)	1/90 (1%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	3/66.97	1/74.05	1/78.35	0/65.00
POLY-3 PERCENT (g)	4.5%	1.4%	1.3%	0%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	1/56 (2%)	0/43 (0%)
FIRST INCIDENCE	527	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.079N	P=0.271N	P=0.253N	P=0.126N
POLY 1.5	P=0.079N	P=0.286N	P=0.277N	P=0.129N
POLY 6	P=0.078N	P=0.249N	P=0.219N	P=0.116N
RAO-SCOTT	P=0.236N	P=0.482N	P=0.474N	P=0.361N
LITTER C-A/FISHERS	P=0.311N	P=0.754	P=0.754	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Kidney: Renal Tubule Carcinoma

TUMOR RATES

OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	1/87 (1%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	1/66.10	0/74.05	1/78.78	1/65.00
POLY-3 PERCENT (g)	1.5%	0%	1.3%	1.5%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	1/43 (2%)
FIRST INCIDENCE	527	---	604	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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Kidney: Renal Tubule Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	1/90 (1%)	2/90 (2%)	1/87 (1%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	3/66.97	1/74.05	2/78.78	1/65.00
POLY-3 PERCENT (g)	4.5%	1.4%	2.5%	1.5%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	1/56 (2%)	1/43 (2%)
FIRST INCIDENCE	527	730 (T)	604	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.300N	P=0.271N	P=0.427N	P=0.317N
POLY 1.5	P=0.300N	P=0.286N	P=0.460N	P=0.322N
POLY 6	P=0.295N	P=0.249N	P=0.376N	P=0.298N
RAO-SCOTT	P=0.389N	P=0.425N	P=0.537N	P=0.451N
LITTER C-A/FISHERS	P=0.591	P=0.754	P=0.500	P=0.754

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Kidney: Renal Tubule				
Lipoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	2/90 (2%)	1/90 (1%)	0/87 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/65.47	2/74.05	1/78.35	0/65.00
POLY-3 PERCENT (g)	1.5%	2.7%	1.3%	0%
TERMINAL (d)	1/25 (4%)	2/43 (5%)	1/56 (2%)	0/43 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.243N	P=0.543	P=0.719N	P=0.501N
POLY 1.5	P=0.252N	P=0.524	P=0.738N	P=0.506N
POLY 6	P=0.226N	P=0.572	P=0.686N	P=0.488N
RAO-SCOTT	P=0.258N	P=0.528	P=0.694N	P=0.468N
LITTER C-A/FISHERS	P=0.246N	P=0.500	P=0.754	P=0.500N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	4/89 (4%)	0/88 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	4/35 (11%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	2/74.05	4/77.76	0/65.46
POLY-3 PERCENT (g)	0%	2.7%	5.1%	0%
TERMINAL (d)	0/25 (0%)	2/43 (5%)	4/56 (7%)	0/43 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.564N	P=0.266	P=0.089	(e)
POLY 1.5	P=0.572N	P=0.254	P=0.075	(e)
POLY 6	P=0.531N	P=0.287	P=0.114	(e)
RAO-SCOTT	P=0.556N	P=0.310	P=0.132	(e)
LITTER C-A/FISHERS	P=0.556N	P=0.246	P=0.057	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	4/89 (4%)	1/88 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	4/35 (11%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	2/74.05	4/77.76	1/65.92
POLY-3 PERCENT (g)	0%	2.7%	5.1%	1.5%
TERMINAL (d)	0/25 (0%)	2/43 (5%)	4/56 (7%)	0/43 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	594
STATISTICAL TESTS				
POLY 3	P=0.415	P=0.266	P=0.089	P=0.501
POLY 1.5	P=0.405	P=0.254	P=0.075	P=0.496
POLY 6	P=0.453	P=0.287	P=0.114	P=0.516
RAO-SCOTT	P=0.416	P=0.281	P=0.113	P=0.475
LITTER C-A/FISHERS	P=0.422	P=0.246	P=0.057	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	4/89 (4%)	1/88 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	4/35 (11%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	2/74.05	4/77.76	1/65.92
POLY-3 PERCENT (g)	0%	2.7%	5.1%	1.5%
TERMINAL (d)	0/25 (0%)	2/43 (5%)	4/56 (7%)	0/43 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	594
STATISTICAL TESTS				
POLY 3	P=0.415	P=0.266	P=0.089	P=0.501
POLY 1.5	P=0.405	P=0.254	P=0.075	P=0.496
POLY 6	P=0.453	P=0.287	P=0.114	P=0.516
RAO-SCOTT	P=0.416	P=0.281	P=0.113	P=0.475
LITTER C-A/FISHERS	P=0.422	P=0.246	P=0.057	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/65.47	2/74.05	1/78.35	0/66.24
POLY-3 PERCENT (g)	1.5%	2.7%	1.3%	0%
TERMINAL (d)	1/25 (4%)	2/43 (5%)	1/56 (2%)	0/43 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.240N	P=0.543	P=0.719N	P=0.498N
POLY 1.5	P=0.247N	P=0.524	P=0.738N	P=0.501N
POLY 6	P=0.224N	P=0.572	P=0.686N	P=0.486N
RAO-SCOTT	P=0.254N	P=0.528	P=0.695N	P=0.463N
LITTER C-A/FISHERS	P=0.246N	P=0.500	P=0.754	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	2/90 (2%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	2/35 (6%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/65.47	2/74.05	2/78.35	0/66.24
POLY-3 PERCENT (g)	1.5%	2.7%	2.6%	0%
TERMINAL (d)	1/25 (4%)	2/43 (5%)	2/56 (4%)	0/43 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.295N	P=0.543	P=0.562	P=0.498N
POLY 1.5	P=0.301N	P=0.524	P=0.534	P=0.501N
POLY 6	P=0.276N	P=0.572	P=0.605	P=0.486N
RAO-SCOTT	P=0.298N	P=0.525	P=0.547	P=0.458N
LITTER C-A/FISHERS	P=0.295N	P=0.500	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)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	0/74.05	0/78.35	0/66.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland 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)	0/65.47	0/74.05	0/78.35	0/66.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Carcinoma or 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	0/74.05	0/78.35	0/66.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (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 - 56
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	5/90 (6%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	2/66.25	5/74.63	2/78.35	1/66.24
POLY-3 PERCENT (g)	3%	6.7%	2.6%	1.5%
TERMINAL (d)	1/25 (4%)	4/43 (9%)	2/56 (4%)	1/43 (2%)
FIRST INCIDENCE	440	550	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.214N	P=0.270	P=0.631N	P=0.500N
POLY 1.5	P=0.224N	P=0.248	P=0.660N	P=0.505N
POLY 6	P=0.191N	P=0.309	P=0.582N	P=0.481N
RAO-SCOTT	P=0.229N	P=0.271	P=0.608N	P=0.468N
LITTER C-A/FISHERS	P=0.219N	P=0.214	P=0.693	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	5/90 (6%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	2/66.25	5/74.63	2/78.35	1/66.24
POLY-3 PERCENT (g)	3%	6.7%	2.6%	1.5%
TERMINAL (d)	1/25 (4%)	4/43 (9%)	2/56 (4%)	1/43 (2%)
FIRST INCIDENCE	440	550	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.214N	P=0.270	P=0.631N	P=0.500N
POLY 1.5	P=0.224N	P=0.248	P=0.660N	P=0.505N
POLY 6	P=0.191N	P=0.309	P=0.582N	P=0.481N
RAO-SCOTT	P=0.229N	P=0.271	P=0.608N	P=0.468N
LITTER C-A/FISHERS	P=0.219N	P=0.214	P=0.693	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	5/90 (6%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	5/35 (14%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	2/66.25	5/74.63	2/78.35	1/66.24
POLY-3 PERCENT (g)	3%	6.7%	2.6%	1.5%
TERMINAL (d)	1/25 (4%)	4/43 (9%)	2/56 (4%)	1/43 (2%)
FIRST INCIDENCE	440	550	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.214N	P=0.270	P=0.631N	P=0.500N
POLY 1.5	P=0.224N	P=0.248	P=0.660N	P=0.505N
POLY 6	P=0.191N	P=0.309	P=0.582N	P=0.481N
RAO-SCOTT	P=0.229N	P=0.271	P=0.608N	P=0.468N
LITTER C-A/FISHERS	P=0.219N	P=0.214	P=0.693	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
Squamous Cell 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	0/74.05	1/78.42	0/66.24
POLY-3 PERCENT (g)	0%	0%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	---	---	711	---

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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
Squamous Cell Carcinoma, Papilloma Squamous, or 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)	0/65.47	0/74.05	1/78.42	0/66.24
POLY-3 PERCENT (g)	0%	0%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	---	---	711	---

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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pancreas				
Adenoma				
TUMOR RATES				
OVERALL (a)	18/90 (20%)	22/88 (25%)	26/87 (30%)	7/78 (9%)
LITTERS (b)	16/35 (46%)	16/35 (46%)	18/35 (51%)	7/35 (20%)
POLY-3 RATE (c)	18/67.15	22/74.42	26/77.60	7/62.34
POLY-3 PERCENT (g)	26.8%	29.6%	33.5%	11.2%
TERMINAL (d)	9/25 (36%)	13/43 (30%)	20/56 (36%)	5/43 (12%)
FIRST INCIDENCE	580	568	577	621
STATISTICAL TESTS				
POLY 3	P=0.019N*	P=0.429	P=0.241	P=0.019N*
POLY 1.5	P=0.028N*	P=0.355	P=0.157	P=0.027N*
POLY 6	P=0.009N**	P=0.558	P=0.420	P=0.010N**
RAO-SCOTT	P=0.034N*	P=0.436	P=0.268	P=0.035N*
LITTER C-A/FISHERS	P=0.015N*	P=0.595	P=0.406	P=0.020N*

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pancreas Carcinoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/88 (1%)	2/87 (2%)	0/78 (0%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/65.47	1/72.48	2/76.07	0/61.86
POLY-3 PERCENT (g)	1.5%	1.4%	2.6%	0%
TERMINAL (d)	1/25 (4%)	0/43 (0%)	2/56 (4%)	0/43 (0%)
FIRST INCIDENCE	730 (T)	695	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.385N	P=0.738N	P=0.552	P=0.511N
POLY 1.5	P=0.396N	P=0.750N	P=0.523	P=0.521N
POLY 6	P=0.363N	P=0.716N	P=0.597	P=0.493N
RAO-SCOTT	P=0.385N	P=0.704N	P=0.536	P=0.478N
LITTER C-A/FISHERS	P=0.366N	P=0.754	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pancreas				
Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	18/90 (20%)	22/88 (25%)	27/87 (31%)	7/78 (9%)
LITTERS (b)	16/35 (46%)	16/35 (46%)	18/35 (51%)	7/35 (20%)
POLY-3 RATE (c)	18/67.15	22/74.42	27/77.60	7/62.34
POLY-3 PERCENT (g)	26.8%	29.6%	34.8%	11.2%
TERMINAL (d)	9/25 (36%)	13/43 (30%)	21/56 (38%)	5/43 (12%)
FIRST INCIDENCE	580	568	577	621
STATISTICAL TESTS				
POLY 3	P=0.021N*	P=0.429	P=0.193	P=0.019N*
POLY 1.5	P=0.031N*	P=0.355	P=0.120	P=0.027N*
POLY 6	P=0.010N**	P=0.558	P=0.358	P=0.010N**
RAO-SCOTT	P=0.037N*	P=0.436	P=0.223	P=0.035N*
LITTER C-A/FISHERS	P=0.015N*	P=0.595	P=0.406	P=0.020N*

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Parathyroid Gland Adenoma				
TUMOR RATES				
OVERALL (a)	1/83 (1%)	1/83 (1%)	2/83 (2%)	1/82 (1%)
LITTERS (b)	1/34 (3%)	1/35 (3%)	2/34 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/61.51	1/68.35	2/72.36	1/60.97
POLY-3 PERCENT (g)	1.6%	1.5%	2.8%	1.6%
TERMINAL (d)	0/25 (0%)	1/40 (3%)	2/52 (4%)	1/40 (3%)
FIRST INCIDENCE	663	730 (T)	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.573	P=0.737N	P=0.556	P=0.759
POLY 1.5	P=0.573	P=0.747N	P=0.531	P=0.756
POLY 6	P=0.584	P=0.720N	P=0.595	P=0.753N
RAO-SCOTT	P=0.558	P=0.696N	P=0.528	P=0.710
LITTER C-A/FISHERS	P=0.598	P=0.746N	P=0.500	P=0.746N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Pituitary Gland: Pars Distalis or Unspecified Site
Adenoma

TUMOR RATES

OVERALL (a)	17/89 (19%)	25/90 (28%)	34/90 (38%)	13/90 (14%)
LITTERS (b)	13/35 (37%)	18/35 (51%)	24/35 (69%)	12/35 (34%)
POLY-3 RATE (c)	17/68.40	25/76.39	34/81.26	13/68.45
POLY-3 PERCENT (g)	24.9%	32.7%	41.8%	19%
TERMINAL (d)	5/25 (20%)	16/43 (37%)	22/56 (39%)	6/43 (14%)
FIRST INCIDENCE	527	605	471	567

STATISTICAL TESTS

POLY 3	P=0.227N	P=0.191	P=0.020*	P=0.264N
POLY 1.5	P=0.231N	P=0.156	P=0.010**	P=0.275N
POLY 6	P=0.184N	P=0.257	P=0.053	P=0.223N
RAO-SCOTT	P=0.226N	P=0.208	P=0.030*	P=0.273N
LITTER C-A/FISHERS	P=0.398N	P=0.168	P=0.008**	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	17/89 (19%)	25/90 (28%)	34/90 (38%)	13/90 (14%)
LITTERS (b)	13/35 (37%)	18/35 (51%)	24/35 (69%)	12/35 (34%)
POLY-3 RATE (c)	17/68.40	25/76.39	34/81.26	13/68.45
POLY-3 PERCENT (g)	24.9%	32.7%	41.8%	19%
TERMINAL (d)	5/25 (20%)	16/43 (37%)	22/56 (39%)	6/43 (14%)
FIRST INCIDENCE	527	605	471	567
STATISTICAL TESTS				
POLY 3	P=0.227N	P=0.191	P=0.020*	P=0.264N
POLY 1.5	P=0.231N	P=0.156	P=0.010**	P=0.275N
POLY 6	P=0.184N	P=0.257	P=0.053	P=0.223N
RAO-SCOTT	P=0.226N	P=0.208	P=0.030*	P=0.273N
LITTER C-A/FISHERS	P=0.398N	P=0.168	P=0.008**	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Prostate Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	0/90 (0%)	2/90 (2%)	1/85 (1%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	2/65.79	0/74.05	2/78.35	1/64.83
POLY-3 PERCENT (g)	3%	0%	2.6%	1.5%
TERMINAL (d)	1/25 (4%)	0/43 (0%)	2/56 (4%)	0/43 (0%)
FIRST INCIDENCE	642	---	730 (T)	552
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.213N	P=0.629N	P=0.505N
POLY 1.5	P=0.559N	P=0.223N	P=0.658N	P=0.516N
POLY 6	P=0.557N	P=0.197N	P=0.579N	P=0.478N
RAO-SCOTT	P=0.533N	P=0.236N	P=0.616N	P=0.494N
LITTER C-A/FISHERS	P=0.531N	P=0.246N	P=0.693	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)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%)	6/90 (7%)	10/90 (11%)	6/90 (7%)
LITTERS (b)	8/35 (23%)	5/35 (14%)	10/35 (29%)	5/35 (14%)
POLY-3 RATE (c)	8/67.51	6/74.72	10/78.43	6/66.84
POLY-3 PERCENT (g)	11.9%	8%	12.8%	9%
TERMINAL (d)	2/25 (8%)	4/43 (9%)	7/56 (13%)	4/43 (9%)
FIRST INCIDENCE	552	610	717	630
STATISTICAL TESTS				
POLY 3	P=0.456N	P=0.315N	P=0.535	P=0.396N
POLY 1.5	P=0.453N	P=0.346N	P=0.475	P=0.402N
POLY 6	P=0.437N	P=0.269N	P=0.572N	P=0.364N
RAO-SCOTT	P=0.430N	P=0.296N	P=0.516	P=0.371N
LITTER C-A/FISHERS	P=0.334N	P=0.270N	P=0.393	P=0.270N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	11/90 (12%)	7/90 (8%)	4/90 (4%)
LITTERS (b)	2/35 (6%)	11/35 (31%)	7/35 (20%)	4/35 (11%)
POLY-3 RATE (c)	2/65.47	11/76.32	7/79.20	4/66.55
POLY-3 PERCENT (g)	3.1%	14.4%	8.8%	6%
TERMINAL (d)	2/25 (8%)	5/43 (12%)	6/56 (11%)	2/43 (5%)
FIRST INCIDENCE	730 (T)	447	383	665
STATISTICAL TESTS				
POLY 3	P=0.476N	P=0.019*	P=0.140	P=0.346
POLY 1.5	P=0.499N	P=0.014*	P=0.112	P=0.337
POLY 6	P=0.415N	P=0.031*	P=0.191	P=0.376
RAO-SCOTT	P=0.500N	P=0.025*	P=0.143	P=0.328
LITTER C-A/FISHERS	P=0.500N	P=0.006**	P=0.075	P=0.337

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	13/90 (14%)	10/90 (11%)	5/90 (6%)
LITTERS (b)	5/35 (14%)	12/35 (34%)	10/35 (29%)	5/35 (14%)
POLY-3 RATE (c)	5/66.48	13/76.89	10/79.62	5/66.55
POLY-3 PERCENT (g)	7.5%	16.9%	12.6%	7.5%
TERMINAL (d)	2/25 (8%)	6/43 (14%)	8/56 (14%)	3/43 (7%)
FIRST INCIDENCE	567	447	383	665
STATISTICAL TESTS				
POLY 3	P=0.322N	P=0.074	P=0.235	P=0.628N
POLY 1.5	P=0.334N	P=0.057	P=0.189	P=0.621
POLY 6	P=0.279N	P=0.108	P=0.319	P=0.596N
RAO-SCOTT	P=0.335N	P=0.081	P=0.236	P=0.600N
LITTER C-A/FISHERS	P=0.342N	P=0.046*	P=0.122	P=0.633

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	13/90 (14%)	10/90 (11%)	5/90 (6%)
LITTERS (b)	5/35 (14%)	12/35 (34%)	10/35 (29%)	5/35 (14%)
POLY-3 RATE (c)	5/66.48	13/76.89	10/79.62	5/66.55
POLY-3 PERCENT (g)	7.5%	16.9%	12.6%	7.5%
TERMINAL (d)	2/25 (8%)	6/43 (14%)	8/56 (14%)	3/43 (7%)
FIRST INCIDENCE	567	447	383	665
STATISTICAL TESTS				
POLY 3	P=0.322N	P=0.074	P=0.235	P=0.628N
POLY 1.5	P=0.334N	P=0.057	P=0.189	P=0.621
POLY 6	P=0.279N	P=0.108	P=0.319	P=0.596N
RAO-SCOTT	P=0.335N	P=0.081	P=0.236	P=0.600N
LITTER C-A/FISHERS	P=0.342N	P=0.046*	P=0.122	P=0.633

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	2/90 (2%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	3/35 (9%)	2/35 (6%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	3/66.48	2/74.63	3/78.76	1/66.24
POLY-3 PERCENT (g)	4.5%	2.7%	3.8%	1.5%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	2/56 (4%)	1/43 (2%)
FIRST INCIDENCE	567	550	610	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.278N	P=0.448N	P=0.581N	P=0.307N
POLY 1.5	P=0.277N	P=0.470N	P=0.618N	P=0.311N
POLY 6	P=0.269N	P=0.413N	P=0.521N	P=0.290N
RAO-SCOTT	P=0.262N	P=0.428N	P=0.560N	P=0.287N
LITTER C-A/FISHERS	P=0.261N	P=0.500N	P=0.663	P=0.307N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	4/90 (4%)	5/90 (6%)	4/90 (4%)
LITTERS (b)	5/35 (14%)	3/35 (9%)	5/35 (14%)	3/35 (9%)
POLY-3 RATE (c)	5/67.20	4/74.72	5/78.36	4/66.48
POLY-3 PERCENT (g)	7.4%	5.4%	6.4%	6%
TERMINAL (d)	0/25 (0%)	2/43 (5%)	4/56 (7%)	3/43 (7%)
FIRST INCIDENCE	552	610	726	665
STATISTICAL TESTS				
POLY 3	P=0.488N	P=0.435N	P=0.530N	P=0.507N
POLY 1.5	P=0.487N	P=0.462N	P=0.574N	P=0.511N
POLY 6	P=0.474N	P=0.393N	P=0.460N	P=0.481N
RAO-SCOTT	P=0.477N	P=0.430N	P=0.521N	P=0.490N
LITTER C-A/FISHERS	P=0.360N	P=0.355N	P=0.633	P=0.355N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	5/90 (6%)	4/90 (4%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	3/35 (9%)	4/35 (11%)	1/35 (3%)
POLY-3 RATE (c)	2/65.47	5/74.24	4/78.36	1/66.31
POLY-3 PERCENT (g)	3.1%	6.7%	5.1%	1.5%
TERMINAL (d)	2/25 (8%)	3/43 (7%)	3/56 (5%)	0/43 (0%)
FIRST INCIDENCE	730 (T)	693	726	713
STATISTICAL TESTS				
POLY 3	P=0.268N	P=0.273	P=0.424	P=0.496N
POLY 1.5	P=0.279N	P=0.249	P=0.385	P=0.502N
POLY 6	P=0.239N	P=0.314	P=0.489	P=0.474N
RAO-SCOTT	P=0.331N	P=0.350	P=0.480	P=0.536N
LITTER C-A/FISHERS	P=0.370N	P=0.500	P=0.337	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Myxosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	2/90 (2%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	2/74.63	1/78.35	0/66.24
POLY-3 PERCENT (g)	0%	2.7%	1.3%	0%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	1/56 (2%)	0/43 (0%)
FIRST INCIDENCE	---	550	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.442N	P=0.268	P=0.536	(e)
POLY 1.5	P=0.455N	P=0.255	P=0.519	(e)
POLY 6	P=0.414N	P=0.290	P=0.561	(e)
RAO-SCOTT	P=0.470N	P=0.319	P=0.566	(e)
LITTER C-A/FISHERS	P=0.461N	P=0.246	P=0.500	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Sarcoma				
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)	2/66.05	0/74.05	1/78.76	0/66.24
POLY-3 PERCENT (g)	3%	0%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	567	---	610	---
STATISTICAL TESTS				
POLY 3	P=0.199N	P=0.214N	P=0.439N	P=0.237N
POLY 1.5	P=0.196N	P=0.224N	P=0.467N	P=0.240N
POLY 6	P=0.204N	P=0.198N	P=0.397N	P=0.225N
RAO-SCOTT	P=0.234N	P=0.283N	P=0.481N	P=0.294N
LITTER C-A/FISHERS	P=0.187N	P=0.246N	P=0.500N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	3/90 (3%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	3/35 (9%)	0/35 (0%)
POLY-3 RATE (c)	0/65.47	0/74.05	3/78.36	0/66.24
POLY-3 PERCENT (g)	0%	0%	3.8%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	2/56 (4%)	0/43 (0%)
FIRST INCIDENCE	---	---	726	---
STATISTICAL TESTS				
POLY 3	P=0.508	(e)	P=0.157	(e)
POLY 1.5	P=0.513	(e)	P=0.140	(e)
POLY 6	P=0.522	(e)	P=0.187	(e)
RAO-SCOTT	P=0.551	(e)	P=0.252	(e)
LITTER C-A/FISHERS	P=0.539	(e)	P=0.120	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	1/90 (1%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	2/65.78	1/74.05	3/78.40	1/66.24
POLY-3 PERCENT (g)	3%	1.4%	3.8%	1.5%
TERMINAL (d)	1/25 (4%)	1/43 (2%)	2/56 (4%)	1/43 (2%)
FIRST INCIDENCE	645	730 (T)	717	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.490N	P=0.459N	P=0.578	P=0.498N
POLY 1.5	P=0.489N	P=0.476N	P=0.543	P=0.503N
POLY 6	P=0.482N	P=0.431N	P=0.633	P=0.478N
RAO-SCOTT	P=0.466N	P=0.444N	P=0.562	P=0.470N
LITTER C-A/FISHERS	P=0.474N	P=0.500N	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/90 (8%)	5/90 (6%)	10/90 (11%)	5/90 (6%)
LITTERS (b)	7/35 (20%)	4/35 (11%)	10/35 (29%)	4/35 (11%)
POLY-3 RATE (c)	7/67.51	5/74.72	10/78.43	5/66.48
POLY-3 PERCENT (g)	10.4%	6.7%	12.8%	7.5%
TERMINAL (d)	1/25 (4%)	3/43 (7%)	7/56 (13%)	4/43 (9%)
FIRST INCIDENCE	552	610	717	665
STATISTICAL TESTS				
POLY 3	P=0.473N	P=0.314N	P=0.426	P=0.392N
POLY 1.5	P=0.466N	P=0.342N	P=0.370	P=0.395N
POLY 6	P=0.459N	P=0.272N	P=0.516	P=0.365N
RAO-SCOTT	P=0.443N	P=0.297N	P=0.410	P=0.368N
LITTER C-A/FISHERS	P=0.341N	P=0.256N	P=0.289	P=0.256N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/90 (8%)	5/90 (6%)	8/90 (9%)	5/90 (6%)
LITTERS (b)	7/35 (20%)	4/35 (11%)	8/35 (23%)	4/35 (11%)
POLY-3 RATE (c)	7/67.51	5/74.72	8/78.42	5/66.48
POLY-3 PERCENT (g)	10.4%	6.7%	10.2%	7.5%
TERMINAL (d)	1/25 (4%)	3/43 (7%)	6/56 (11%)	4/43 (9%)
FIRST INCIDENCE	552	610	717	665
STATISTICAL TESTS				
POLY 3	P=0.435N	P=0.314N	P=0.595N	P=0.392N
POLY 1.5	P=0.431N	P=0.342N	P=0.567	P=0.395N
POLY 6	P=0.421N	P=0.272N	P=0.511N	P=0.365N
RAO-SCOTT	P=0.413N	P=0.302N	P=0.577N	P=0.372N
LITTER C-A/FISHERS	P=0.308N	P=0.256N	P=0.500	P=0.256N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	0/85 (0%)
LITTERS (b)	2/35 (6%)	0/35 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/66.84	0/74.05	0/78.35	0/64.12
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	541	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.051N	P=0.103N	P=0.095N	P=0.128N
POLY 1.5	P=0.050N*	P=0.111N	P=0.106N	P=0.132N
POLY 6	P=0.054N	P=0.093N	P=0.080N	P=0.117N
RAO-SCOTT	P=0.197N	P=0.328N	P=0.323N	P=0.347N
LITTER C-A/FISHERS	P=0.114N	P=0.246N	P=0.246N	P=0.246N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Testis				
Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	2/89 (2%)	1/90 (1%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	1/35 (3%)	1/35 (3%)
POLY-3 RATE (c)	2/65.89	2/73.92	1/78.35	1/66.24
POLY-3 PERCENT (g)	3%	2.7%	1.3%	1.5%
TERMINAL (d)	0/25 (0%)	1/43 (2%)	1/56 (2%)	1/43 (2%)
FIRST INCIDENCE	662	582	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.335N	P=0.651N	P=0.440N	P=0.498N
POLY 1.5	P=0.339N	P=0.671N	P=0.467N	P=0.503N
POLY 6	P=0.324N	P=0.619N	P=0.399N	P=0.480N
RAO-SCOTT	P=0.334N	P=0.625N	P=0.428N	P=0.468N
LITTER C-A/FISHERS	P=0.336N	P=0.693	P=0.500N	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thymus				
Thymoma: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	0/88 (0%)	0/85 (0%)	0/87 (0%)	0/82 (0%)
LITTERS (b)	0/35 (0%)	0/35 (0%)	0/35 (0%)	0/34 (0%)
POLY-3 RATE (c)	0/63.71	0/69.28	0/75.65	0/60.88
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/40 (0%)	0/55 (0%)	0/42 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	8/89 (9%)	14/87 (16%)	14/86 (16%)	11/85 (13%)
LITTERS (b)	7/35 (20%)	13/35 (37%)	13/34 (38%)	10/35 (29%)
POLY-3 RATE (c)	8/66.40	14/75.08	14/75.87	11/65.45
POLY-3 PERCENT (g)	12.1%	18.7%	18.5%	16.8%
TERMINAL (d)	6/25 (24%)	5/43 (12%)	13/56 (23%)	8/43 (19%)
FIRST INCIDENCE	498	517	677	582
STATISTICAL TESTS				
POLY 3	P=0.348	P=0.197	P=0.205	P=0.297
POLY 1.5	P=0.332	P=0.155	P=0.154	P=0.278
POLY 6	P=0.403	P=0.281	P=0.312	P=0.355
RAO-SCOTT	P=0.327	P=0.186	P=0.194	P=0.278
LITTER C-A/FISHERS	P=0.363	P=0.093	P=0.080	P=0.289

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thyroid Gland: C-Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	2/89 (2%)	0/87 (0%)	2/86 (2%)	4/85 (5%)
LITTERS (b)	1/35 (3%)	0/35 (0%)	1/34 (3%)	4/35 (11%)
POLY-3 RATE (c)	2/66.32	0/72.04	2/75.66	4/64.60
POLY-3 PERCENT (g)	3%	0%	2.6%	6.2%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	2/56 (4%)	3/43 (7%)
FIRST INCIDENCE	541	---	730 (T)	717
STATISTICAL TESTS				
POLY 3	P=0.098	P=0.220N	P=0.645N	P=0.326
POLY 1.5	P=0.099	P=0.231N	P=0.674N	P=0.318
POLY 6	P=0.099	P=0.204N	P=0.595N	P=0.353
RAO-SCOTT	P=0.173	P=0.339N	P=0.666N	P=0.398
LITTER C-A/FISHERS	P=0.034*	P=0.500N	P=0.746	P=0.178

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	10/89 (11%)	14/87 (16%)	16/86 (19%)	15/85 (18%)
LITTERS (b)	8/35 (23%)	13/35 (37%)	13/34 (38%)	12/35 (34%)
POLY-3 RATE (c)	10/67.27	14/75.08	16/75.87	15/65.50
POLY-3 PERCENT (g)	14.9%	18.7%	21.1%	22.9%
TERMINAL (d)	6/25 (24%)	5/43 (12%)	15/56 (27%)	11/43 (26%)
FIRST INCIDENCE	498	517	677	582
STATISTICAL TESTS				
POLY 3	P=0.147	P=0.352	P=0.227	P=0.164
POLY 1.5	P=0.143	P=0.296	P=0.171	P=0.155
POLY 6	P=0.172	P=0.454	P=0.341	P=0.205
RAO-SCOTT	P=0.151	P=0.351	P=0.233	P=0.172
LITTER C-A/FISHERS	P=0.249	P=0.148	P=0.130	P=0.214

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Tissue NOS				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/35 (3%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	1/65.71	1/74.10	0/78.35	2/67.23
POLY-3 PERCENT (g)	1.5%	1.4%	0%	3%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	1/43 (2%)
FIRST INCIDENCE	666	719	---	153
STATISTICAL TESTS				
POLY 3	P=0.370	P=0.733N	P=0.465N	P=0.508
POLY 1.5	P=0.367	P=0.745N	P=0.481N	P=0.501
POLY 6	P=0.378	P=0.714N	P=0.440N	P=0.528
RAO-SCOTT	P=0.434	P=0.753N	P=0.608N	P=0.568
LITTER C-A/FISHERS	P=0.616N	P=0.754	P=0.500N	P=0.754

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/90 (1%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	1/35 (3%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	3/66.84	1/74.09	1/78.35	0/66.24
POLY-3 PERCENT (g)	4.5%	1.4%	1.3%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	1/56 (2%)	0/43 (0%)
FIRST INCIDENCE	541	722	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.077N	P=0.271N	P=0.253N	P=0.122N
POLY 1.5	P=0.077N	P=0.286N	P=0.276N	P=0.124N
POLY 6	P=0.076N	P=0.248N	P=0.218N	P=0.114N
RAO-SCOTT	P=0.153N	P=0.383N	P=0.371N	P=0.238N
LITTER C-A/FISHERS	P=0.152N	P=0.500N	P=0.500N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	2/90 (2%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	3/66.84	2/74.13	2/78.78	0/66.24
POLY-3 PERCENT (g)	4.5%	2.7%	2.5%	0%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	1/56 (2%)	0/43 (0%)
FIRST INCIDENCE	541	719	604	---
STATISTICAL TESTS				
POLY 3	P=0.091N	P=0.453N	P=0.426N	P=0.122N
POLY 1.5	P=0.092N	P=0.473N	P=0.459N	P=0.124N
POLY 6	P=0.087N	P=0.422N	P=0.375N	P=0.114N
RAO-SCOTT	P=0.141N	P=0.494N	P=0.476N	P=0.196N
LITTER C-A/FISHERS	P=0.162N	P=0.693	P=0.693	P=0.246N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Histiocytic Sarcoma				
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)	0/65.47	0/74.05	0/78.35	1/66.72
POLY-3 PERCENT (g)	0%	0%	0%	1.5%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	0/43 (0%)
FIRST INCIDENCE	---	---	---	586
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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	2/90 (2%)	4/90 (4%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	2/35 (6%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	0/65.47	2/74.36	4/80.70	1/66.24
POLY-3 PERCENT (g)	0%	2.7%	5%	1.5%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	1/43 (2%)
FIRST INCIDENCE	---	655	393	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.411	P=0.267	P=0.095	P=0.502
POLY 1.5	P=0.407	P=0.255	P=0.080	P=0.499
POLY 6	P=0.440	P=0.289	P=0.124	P=0.514
RAO-SCOTT	P=0.438	P=0.337	P=0.159	P=0.533
LITTER C-A/FISHERS	P=0.444	P=0.246	P=0.120	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	2/90 (2%)	1/90 (1%)	4/90 (4%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	1/35 (3%)	4/35 (11%)
POLY-3 RATE (c)	2/66.72	2/74.53	1/78.81	4/66.81
POLY-3 PERCENT (g)	3%	2.7%	1.3%	6%
TERMINAL (d)	0/25 (0%)	0/43 (0%)	0/56 (0%)	1/43 (2%)
FIRST INCIDENCE	212	624	592	594
STATISTICAL TESTS				
POLY 3	P=0.226	P=0.653N	P=0.443N	P=0.339
POLY 1.5	P=0.223	P=0.671N	P=0.470N	P=0.332
POLY 6	P=0.236	P=0.621N	P=0.400N	P=0.366
RAO-SCOTT	P=0.228	P=0.630N	P=0.439N	P=0.338
LITTER C-A/FISHERS	P=0.224	P=0.693	P=0.500N	P=0.337

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant Schwannoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	4/90 (4%)	4/90 (4%)	8/90 (9%)
LITTERS (b)	3/35 (9%)	4/35 (11%)	4/35 (11%)	7/35 (20%)
POLY-3 RATE (c)	3/66.27	4/74.61	4/79.06	8/68.93
POLY-3 PERCENT (g)	4.5%	5.4%	5.1%	11.6%
TERMINAL (d)	1/25 (4%)	2/43 (5%)	2/56 (4%)	4/43 (9%)
FIRST INCIDENCE	555	573	619	153
STATISTICAL TESTS				
POLY 3	P=0.062	P=0.564	P=0.594	P=0.115
POLY 1.5	P=0.059	P=0.537	P=0.552	P=0.108
POLY 6	P=0.070	P=0.606	P=0.641N	P=0.138
RAO-SCOTT	P=0.075	P=0.551	P=0.582	P=0.136
LITTER C-A/FISHERS	P=0.100	P=0.500	P=0.500	P=0.153

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	2/90 (2%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	2/65.78	2/74.05	3/78.40	1/66.74
POLY-3 PERCENT (g)	3%	2.7%	3.8%	1.5%
TERMINAL (d)	1/25 (4%)	2/43 (5%)	2/56 (4%)	0/43 (0%)
FIRST INCIDENCE	645	730 (T)	717	580
STATISTICAL TESTS				
POLY 3	P=0.409N	P=0.650N	P=0.578	P=0.495N
POLY 1.5	P=0.413N	P=0.668N	P=0.543	P=0.502N
POLY 6	P=0.392N	P=0.619N	P=0.633	P=0.474N
RAO-SCOTT	P=0.390N	P=0.617N	P=0.554	P=0.455N
LITTER C-A/FISHERS	P=0.403N	P=0.693	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Mesothelioma: Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	2/90 (2%)	3/90 (3%)	1/90 (1%)
LITTERS (b)	2/35 (6%)	2/35 (6%)	3/35 (9%)	1/35 (3%)
POLY-3 RATE (c)	2/65.78	2/74.05	3/78.40	1/66.74
POLY-3 PERCENT (g)	3%	2.7%	3.8%	1.5%
TERMINAL (d)	1/25 (4%)	2/43 (5%)	2/56 (4%)	0/43 (0%)
FIRST INCIDENCE	645	730 (T)	717	580
STATISTICAL TESTS				
POLY 3	P=0.409N	P=0.650N	P=0.578	P=0.495N
POLY 1.5	P=0.413N	P=0.668N	P=0.543	P=0.502N
POLY 6	P=0.392N	P=0.619N	P=0.633	P=0.474N
RAO-SCOTT	P=0.390N	P=0.617N	P=0.554	P=0.455N
LITTER C-A/FISHERS	P=0.403N	P=0.693	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	49/90 (54%)	66/90 (73%)	69/90 (77%)	49/90 (54%)
LITTERS (b)	26/35 (74%)	34/35 (97%)	35/35 (100%)	31/35 (89%)
POLY-3 RATE (c)	49/75.08	66/82.25	69/83.80	49/73.82
POLY-3 PERCENT (g)	65.3%	80.2%	82.3%	66.4%
TERMINAL (d)	18/25 (72%)	37/43 (86%)	50/56 (89%)	28/43 (65%)
FIRST INCIDENCE	440	447	383	497
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.016*	P=0.006**	P=0.513
POLY 1.5	P=0.412N	P=0.010**	P=0.003**	P=0.501
POLY 6	P=0.323N	P=0.040*	P=0.024*	P=0.549N
RAO-SCOTT	P=0.422N	P=0.036*	P=0.017*	P=0.508
LITTER C-A/FISHERS	P=0.108	P=0.007**	P<0.001**	P=0.109

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	24/90 (27%)	26/90 (29%)	41/90 (46%)	34/90 (38%)
LITTERS (b)	18/35 (51%)	20/35 (57%)	28/35 (80%)	25/35 (71%)
POLY-3 RATE (c)	24/72.28	26/76.11	41/83.28	34/73.83
POLY-3 PERCENT (g)	33.2%	34.2%	49.2%	46.1%
TERMINAL (d)	5/25 (20%)	18/43 (42%)	26/56 (46%)	17/43 (40%)
FIRST INCIDENCE	212	550	393	153
STATISTICAL TESTS				
POLY 3	P=0.030*	P=0.521	P=0.028*	P=0.071
POLY 1.5	P=0.028*	P=0.484	P=0.014*	P=0.067
POLY 6	P=0.044*	P=0.567N	P=0.073	P=0.095
RAO-SCOTT	P=0.034*	P=0.509	P=0.031*	P=0.076
LITTER C-A/FISHERS	P=0.030*	P=0.405	P=0.011*	P=0.070

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	57/90 (63%)	75/90 (83%)	76/90 (84%)	63/90 (70%)
LITTERS (b)	29/35 (83%)	35/35 (100%)	35/35 (100%)	33/35 (94%)
POLY-3 RATE (c)	57/78.30	75/84.10	76/86.32	63/79.04
POLY-3 PERCENT (g)	72.8%	89.2%	88%	79.7%
TERMINAL (d)	20/25 (80%)	41/43 (95%)	51/56 (91%)	34/43 (79%)
FIRST INCIDENCE	212	447	383	153
STATISTICAL TESTS				
POLY 3	P=0.328	P=0.002**	P=0.006**	P=0.180
POLY 1.5	P=0.308	P=0.002**	P=0.002**	P=0.172
POLY 6	P=0.458	P=0.006**	P=0.029*	P=0.263
RAO-SCOTT	P=0.337	P=0.009**	P=0.014*	P=0.210
LITTER C-A/FISHERS	P=0.109	P=0.012*	P=0.012*	P=0.130

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	2/90 (2%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	1/35 (3%)	2/34 (6%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	1/69.46	2/73.38	2/72.28	1/79.63
POLY-3 PERCENT (g)	1.4%	2.7%	2.8%	1.3%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/50 (0%)	1/61 (2%)
FIRST INCIDENCE	737 (T)	729	656	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.502N	P=0.519	P=0.514	P=0.729N
POLY 1.5	P=0.522N	P=0.511	P=0.507	P=0.741N
POLY 6	P=0.480N	P=0.528	P=0.523	P=0.716N
RAO-SCOTT	P=0.512N	P=0.502	P=0.496	P=0.706N
LITTER C-A/FISHERS	P=0.552N	P=0.489	P=0.500	P=0.754

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Cortex Carcinoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/73.31	1/72.26	0/79.63
POLY-3 PERCENT (g)	1.4%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	737 (T)	---	627	---
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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	1/86 (1%)	7/89 (8%)	3/87 (3%)	4/88 (5%)
LITTERS (b)	1/35 (3%)	7/34 (21%)	3/35 (9%)	4/35 (11%)
POLY-3 RATE (c)	1/65.53	7/73.09	3/68.98	4/77.71
POLY-3 PERCENT (g)	1.5%	9.6%	4.4%	5.2%
TERMINAL (d)	1/45 (2%)	5/44 (11%)	3/48 (6%)	4/60 (7%)
FIRST INCIDENCE	737 (T)	464	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.491	P=0.047*	P=0.325	P=0.237
POLY 1.5	P=0.449	P=0.043*	P=0.318	P=0.218
POLY 6	P=0.537	P=0.051	P=0.334	P=0.260
RAO-SCOTT	P=0.466	P=0.059	P=0.322	P=0.248
LITTER C-A/FISHERS	P=0.379	P=0.025*	P=0.307	P=0.178

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	2/89 (2%)	1/87 (1%)	0/88 (0%)
LITTERS (b)	0/35 (0%)	2/34 (6%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	0/65.53	2/72.31	1/68.98	0/77.71
POLY-3 PERCENT (g)	0%	2.8%	1.5%	0%
TERMINAL (d)	0/45 (0%)	2/44 (5%)	1/48 (2%)	0/60 (0%)
FIRST INCIDENCE	---	737 (T)	737 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.404N	P=0.260	P=0.510	(e)
POLY 1.5	P=0.425N	P=0.254	P=0.506	(e)
POLY 6	P=0.382N	P=0.267	P=0.515	(e)
RAO-SCOTT	P=0.475N	P=0.329	P=0.554	(e)
LITTER C-A/FISHERS	P=0.458N	P=0.239	P=0.500	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	1/86 (1%)	9/89 (10%)	5/87 (6%)	4/88 (5%)
LITTERS (b)	1/35 (3%)	9/34 (26%)	5/35 (14%)	4/35 (11%)
POLY-3 RATE (c)	1/65.53	9/73.09	5/69.29	4/77.71
POLY-3 PERCENT (g)	1.5%	12.3%	7.2%	5.2%
TERMINAL (d)	1/45 (2%)	7/44 (16%)	4/48 (8%)	4/60 (7%)
FIRST INCIDENCE	737 (T)	464	652	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.543N	P=0.016*	P=0.117	P=0.237
POLY 1.5	P=0.543	P=0.014*	P=0.113	P=0.218
POLY 6	P=0.489N	P=0.018*	P=0.124	P=0.260
RAO-SCOTT	P=0.546	P=0.022*	P=0.126	P=0.242
LITTER C-A/FISHERS	P=0.457	P=0.006**	P=0.099	P=0.178

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Brain				
Glioma Malignant				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	3/90 (3%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	3/34 (9%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	3/73.90	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	4.1%	0%	0%
TERMINAL (d)	0/48 (0%)	2/45 (4%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	---	550	---	---
STATISTICAL TESTS				
POLY 3	P=0.270N	P=0.132	(e)	(e)
POLY 1.5	P=0.286N	P=0.127	(e)	(e)
POLY 6	P=0.253N	P=0.137	(e)	(e)
RAO-SCOTT	P=0.384N	P=0.236	(e)	(e)
LITTER C-A/FISHERS	P=0.309N	P=0.114	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Brain				
Granular Cell Tumor Benign				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/34 (3%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	1/69.46	1/73.85	0/71.88	2/80.31
POLY-3 PERCENT (g)	1.4%	1.4%	0%	2.5%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	737 (T)	570	---	633
STATISTICAL TESTS				
POLY 3	P=0.397	P=0.747N	P=0.493N	P=0.550
POLY 1.5	P=0.385	P=0.753N	P=0.497N	P=0.531
POLY 6	P=0.411	P=0.741N	P=0.489N	P=0.571
RAO-SCOTT	P=0.429	P=0.723N	P=0.483N	P=0.549
LITTER C-A/FISHERS	P=0.369	P=0.746	P=0.500N	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Brain				
Granular Cell Tumor: Benign or Malignant				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	1/90 (1%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	1/35 (3%)	1/34 (3%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	1/69.46	1/73.85	0/71.88	2/80.31
POLY-3 PERCENT (g)	1.4%	1.4%	0%	2.5%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	737 (T)	570	---	633
STATISTICAL TESTS				
POLY 3	P=0.397	P=0.747N	P=0.493N	P=0.550
POLY 1.5	P=0.385	P=0.753N	P=0.497N	P=0.531
POLY 6	P=0.411	P=0.741N	P=0.489N	P=0.571
RAO-SCOTT	P=0.429	P=0.723N	P=0.483N	P=0.549
LITTER C-A/FISHERS	P=0.369	P=0.746	P=0.500N	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Heart				
Schwannoma Malignant				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	2/34 (6%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	2/73.63	0/71.88	2/79.63
POLY-3 PERCENT (g)	0%	2.7%	0%	2.5%
TERMINAL (d)	0/48 (0%)	1/45 (2%)	0/50 (0%)	2/61 (3%)
FIRST INCIDENCE	---	649	---	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.287	P=0.251	(e)	P=0.270
POLY 1.5	P=0.271	P=0.246	(e)	P=0.258
POLY 6	P=0.304	P=0.257	(e)	P=0.283
RAO-SCOTT	P=0.343	P=0.317	(e)	P=0.342
LITTER C-A/FISHERS	P=0.249	P=0.239	(e)	P=0.246

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)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%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	5/90 (6%)	4/89 (4%)	5/90 (6%)	4/88 (5%)
LITTERS (b)	4/35 (11%)	4/34 (12%)	5/35 (14%)	4/35 (11%)
POLY-3 RATE (c)	5/69.46	4/73.04	5/72.39	4/78.35
POLY-3 PERCENT (g)	7.2%	5.5%	6.9%	5.1%
TERMINAL (d)	5/48 (10%)	2/45 (4%)	3/50 (6%)	4/61 (7%)
FIRST INCIDENCE	737 (T)	647	627	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.400N	P=0.469N	P=0.602N	P=0.426N
POLY 1.5	P=0.430N	P=0.486N	P=0.615N	P=0.459N
POLY 6	P=0.368N	P=0.450N	P=0.585N	P=0.391N
RAO-SCOTT	P=0.405N	P=0.460N	P=0.585N	P=0.424N
LITTER C-A/FISHERS	P=0.558	P=0.629	P=0.500	P=0.645

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	2/89 (2%)	0/90 (0%)	2/88 (2%)
LITTERS (b)	2/35 (6%)	2/34 (6%)	0/35 (0%)	2/35 (6%)
POLY-3 RATE (c)	2/69.56	2/72.46	0/71.88	2/78.49
POLY-3 PERCENT (g)	2.9%	2.8%	0%	2.6%
TERMINAL (d)	1/48 (2%)	1/45 (2%)	0/50 (0%)	1/61 (2%)
FIRST INCIDENCE	711	729	---	702
STATISTICAL TESTS				
POLY 3	P=0.539N	P=0.679N	P=0.231N	P=0.649N
POLY 1.5	P=0.548N	P=0.686N	P=0.235N	P=0.669N
POLY 6	P=0.527N	P=0.671N	P=0.226N	P=0.626N
RAO-SCOTT	P=0.522N	P=0.658N	P=0.246N	P=0.638N
LITTER C-A/FISHERS	P=0.552N	P=0.682	P=0.246N	P=0.693

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	6/89 (7%)	5/90 (6%)	6/88 (7%)
LITTERS (b)	6/35 (17%)	6/34 (18%)	5/35 (14%)	6/35 (17%)
POLY-3 RATE (c)	7/69.56	6/73.07	5/72.39	6/78.49
POLY-3 PERCENT (g)	10.1%	8.2%	6.9%	7.6%
TERMINAL (d)	6/48 (13%)	3/45 (7%)	3/50 (6%)	5/61 (8%)
FIRST INCIDENCE	711	647	627	702
STATISTICAL TESTS				
POLY 3	P=0.372N	P=0.463N	P=0.354N	P=0.410N
POLY 1.5	P=0.404N	P=0.483N	P=0.368N	P=0.450N
POLY 6	P=0.338N	P=0.440N	P=0.336N	P=0.367N
RAO-SCOTT	P=0.367N	P=0.451N	P=0.347N	P=0.404N
LITTER C-A/FISHERS	P=0.538N	P=0.603	P=0.500N	P=0.624

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

**Kidney: Renal Tubule
Adenoma**

TUMOR RATES

OVERALL (a)	1/90 (1%)	0/90 (0%)	1/90 (1%)	0/89 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/73.31	1/71.88	0/79.19
POLY-3 PERCENT (g)	1.4%	0%	1.4%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	1/50 (2%)	0/61 (0%)
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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Kidney: Renal Tubule Carcinoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	0/90 (0%)	2/90 (2%)	0/89 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	1/35 (3%)	0/35 (0%)
POLY-3 RATE (c)	1/70.13	0/73.31	2/72.81	0/79.19
POLY-3 PERCENT (g)	1.4%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	508	---	545	---
STATISTICAL TESTS				
POLY 3	P=0.428N	P=0.491N	P=0.513	P=0.476N
POLY 1.5	P=0.441N	P=0.495N	P=0.506	P=0.486N
POLY 6	P=0.414N	P=0.487N	P=0.522	P=0.465N
RAO-SCOTT	P=0.554N	P=0.688N	P=0.623	P=0.695N
LITTER C-A/FISHERS	P=0.403N	P=0.507N	P=0.754	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Kidney: Renal Tubule Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	0/90 (0%)	3/90 (3%)	0/89 (0%)
LITTERS (b)	2/35 (6%)	0/34 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	2/70.13	0/73.31	3/72.81	0/79.19
POLY-3 PERCENT (g)	2.9%	0%	4.1%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	1/50 (2%)	0/61 (0%)
FIRST INCIDENCE	508	---	545	---
STATISTICAL TESTS				
POLY 3	P=0.261N	P=0.228N	P=0.517	P=0.213N
POLY 1.5	P=0.274N	P=0.233N	P=0.508	P=0.223N
POLY 6	P=0.246N	P=0.224N	P=0.528	P=0.202N
RAO-SCOTT	P=0.381N	P=0.390N	P=0.578	P=0.386N
LITTER C-A/FISHERS	P=0.245N	P=0.254N	P=0.693	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Kidney: Renal Tubule				
Lipoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	2/90 (2%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	6/35 (17%)	2/34 (6%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	7/69.57	2/74.01	2/71.88	1/79.63
POLY-3 PERCENT (g)	10.1%	2.7%	2.8%	1.3%
TERMINAL (d)	6/48 (13%)	1/45 (2%)	2/50 (4%)	1/61 (2%)
FIRST INCIDENCE	707	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.018N*	P=0.069N	P=0.075N	P=0.021N*
POLY 1.5	P=0.020N*	P=0.075N	P=0.080N	P=0.025N*
POLY 6	P=0.017N*	P=0.063N	P=0.070N	P=0.017N*
RAO-SCOTT	P=0.042N*	P=0.118N	P=0.125N	P=0.052N
LITTER C-A/FISHERS	P=0.039N*	P=0.139N	P=0.130N	P=0.053N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	2/90 (2%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	6/35 (17%)	2/34 (6%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	7/69.57	2/74.01	2/71.88	2/79.63
POLY-3 PERCENT (g)	10.1%	2.7%	2.8%	2.5%
TERMINAL (d)	6/48 (13%)	1/45 (2%)	2/50 (4%)	2/61 (3%)
FIRST INCIDENCE	707	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.058N	P=0.069N	P=0.075N	P=0.056N
POLY 1.5	P=0.061N	P=0.075N	P=0.080N	P=0.065N
POLY 6	P=0.053N	P=0.063N	P=0.070N	P=0.047N*
RAO-SCOTT	P=0.089N	P=0.112N	P=0.118N	P=0.096N
LITTER C-A/FISHERS	P=0.108N	P=0.139N	P=0.130N	P=0.130N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	7/90 (8%)	2/90 (2%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	6/35 (17%)	2/34 (6%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	7/69.57	2/74.01	2/71.88	2/79.63
POLY-3 PERCENT (g)	10.1%	2.7%	2.8%	2.5%
TERMINAL (d)	6/48 (13%)	1/45 (2%)	2/50 (4%)	2/61 (3%)
FIRST INCIDENCE	707	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.058N	P=0.069N	P=0.075N	P=0.056N
POLY 1.5	P=0.061N	P=0.075N	P=0.080N	P=0.065N
POLY 6	P=0.053N	P=0.063N	P=0.070N	P=0.047N*
RAO-SCOTT	P=0.089N	P=0.112N	P=0.118N	P=0.096N
LITTER C-A/FISHERS	P=0.108N	P=0.139N	P=0.130N	P=0.130N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
<hr/>				
Lung				
Alveolar/Bronchiolar Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Lung
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/90 (9%)	4/90 (4%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	7/35 (20%)	4/34 (12%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	8/70.89	4/73.97	1/71.88	2/79.63
POLY-3 PERCENT (g)	11.3%	5.4%	1.4%	2.5%
TERMINAL (d)	5/48 (10%)	1/45 (2%)	1/50 (2%)	2/61 (3%)
FIRST INCIDENCE	524	647	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.017N*	P=0.162N	P=0.017N*	P=0.033N*
POLY 1.5	P=0.019N*	P=0.172N	P=0.018N*	P=0.039N*
POLY 6	P=0.016N*	P=0.153N	P=0.016N*	P=0.028N*
RAO-SCOTT	P=0.035N*	P=0.207N	P=0.039N*	P=0.063N
LITTER C-A/FISHERS	P=0.034N*	P=0.274N	P=0.027N*	P=0.075N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	10/90 (11%)	8/90 (9%)	6/90 (7%)	4/90 (4%)
LITTERS (b)	9/35 (26%)	8/34 (24%)	5/35 (14%)	4/35 (11%)
POLY-3 RATE (c)	10/70.58	8/76.90	6/73.38	4/80.95
POLY-3 PERCENT (g)	14.2%	10.4%	8.2%	4.9%
TERMINAL (d)	6/48 (13%)	1/45 (2%)	3/50 (6%)	2/61 (3%)
FIRST INCIDENCE	622	300	493	305
STATISTICAL TESTS				
POLY 3	P=0.034N*	P=0.328N	P=0.189N	P=0.046N*
POLY 1.5	P=0.040N*	P=0.354N	P=0.201N	P=0.057N
POLY 6	P=0.028N*	P=0.306N	P=0.177N	P=0.037N*
RAO-SCOTT	P=0.042N*	P=0.330N	P=0.196N	P=0.055N
LITTER C-A/FISHERS	P=0.059N	P=0.528N	P=0.185N	P=0.109N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	16/90 (18%)	12/90 (13%)	7/90 (8%)	6/90 (7%)
LITTERS (b)	13/35 (37%)	12/34 (35%)	5/35 (14%)	6/35 (17%)
POLY-3 RATE (c)	16/72.01	12/77.56	7/73.38	6/80.95
POLY-3 PERCENT (g)	22.2%	15.5%	9.5%	7.4%
TERMINAL (d)	9/48 (19%)	2/45 (4%)	4/50 (8%)	4/61 (7%)
FIRST INCIDENCE	524	300	493	305
STATISTICAL TESTS				
POLY 3	P=0.005N**	P=0.197N	P=0.029N*	P=0.008N**
POLY 1.5	P=0.006N**	P=0.221N	P=0.032N*	P=0.011N*
POLY 6	P=0.004N**	P=0.178N	P=0.027N*	P=0.006N**
RAO-SCOTT	P=0.009N**	P=0.214N	P=0.041N*	P=0.014N*
LITTER C-A/FISHERS	P=0.017N*	P=0.536N	P=0.027N*	P=0.053N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	63/90 (70%)	61/90 (68%)	63/90 (70%)	62/90 (69%)
LITTERS (b)	31/35 (89%)	32/34 (94%)	33/35 (94%)	31/35 (89%)
POLY-3 RATE (c)	63/81.77	61/83.17	63/83.76	62/84.82
POLY-3 PERCENT (g)	77%	73.3%	75.2%	73.1%
TERMINAL (d)	36/48 (75%)	33/45 (73%)	36/50 (72%)	45/61 (74%)
FIRST INCIDENCE	464	300	268	492
STATISTICAL TESTS				
POLY 3	P=0.348N	P=0.350N	P=0.461N	P=0.335N
POLY 1.5	P=0.391N	P=0.378N	P=0.501N	P=0.379N
POLY 6	P=0.321N	P=0.330N	P=0.428N	P=0.307N
RAO-SCOTT	P=0.356N	P=0.358N	P=0.462N	P=0.344N
LITTER C-A/FISHERS	P=0.505N	P=0.351	P=0.337	P=0.645

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	64/90 (71%)	62/90 (69%)	63/90 (70%)	62/90 (69%)
LITTERS (b)	31/35 (89%)	32/34 (94%)	33/35 (94%)	31/35 (89%)
POLY-3 RATE (c)	64/82.41	62/83.23	63/83.76	62/84.82
POLY-3 PERCENT (g)	77.7%	74.5%	75.2%	73.1%
TERMINAL (d)	36/48 (75%)	33/45 (73%)	36/50 (72%)	45/61 (74%)
FIRST INCIDENCE	464	300	268	492
STATISTICAL TESTS				
POLY 3	P=0.294N	P=0.379N	P=0.422N	P=0.299N
POLY 1.5	P=0.327N	P=0.395N	P=0.450N	P=0.332N
POLY 6	P=0.278N	P=0.372N	P=0.403N	P=0.285N
RAO-SCOTT	P=0.307N	P=0.386N	P=0.427N	P=0.312N
LITTER C-A/FISHERS	P=0.505N	P=0.351	P=0.337	P=0.645

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	66/90 (73%)	68/90 (76%)	66/90 (73%)	66/90 (73%)
LITTERS (b)	31/35 (89%)	33/34 (97%)	34/35 (97%)	32/35 (91%)
POLY-3 RATE (c)	66/82.88	68/86.39	66/84.56	66/86.14
POLY-3 PERCENT (g)	79.6%	78.7%	78.1%	76.6%
TERMINAL (d)	36/48 (75%)	33/45 (73%)	37/50 (74%)	47/61 (77%)
FIRST INCIDENCE	464	300	268	305
STATISTICAL TESTS				
POLY 3	P=0.339N	P=0.518N	P=0.475N	P=0.383N
POLY 1.5	P=0.371N	P=0.566N	P=0.508N	P=0.425N
POLY 6	P=0.331N	P=0.497N	P=0.455N	P=0.370N
RAO-SCOTT	P=0.352N	P=0.518N	P=0.478N	P=0.393N
LITTER C-A/FISHERS	P=0.519	P=0.187	P=0.178	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)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%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/70.01	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	565	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.121N	P=0.228N	P=0.232N	P=0.211N
POLY 1.5	P=0.118N	P=0.232N	P=0.235N	P=0.221N
POLY 6	P=0.123N	P=0.224N	P=0.228N	P=0.201N
RAO-SCOTT	P=0.230N	P=0.363N	P=0.365N	P=0.357N
LITTER C-A/FISHERS	P=0.114N	P=0.254N	P=0.246N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)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%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/70.01	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	565	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.121N	P=0.228N	P=0.232N	P=0.211N
POLY 1.5	P=0.118N	P=0.232N	P=0.235N	P=0.221N
POLY 6	P=0.123N	P=0.224N	P=0.228N	P=0.201N
RAO-SCOTT	P=0.230N	P=0.363N	P=0.365N	P=0.357N
LITTER C-A/FISHERS	P=0.114N	P=0.254N	P=0.246N	P=0.246N

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Ovary				
Granulosa Cell Tumor Malignant				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/70.04	0/73.31	0/70.88	0/79.63
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/49 (0%)	0/61 (0%)
FIRST INCIDENCE	550	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.121N	P=0.228N	P=0.235N	P=0.211N
POLY 1.5	P=0.119N	P=0.233N	P=0.238N	P=0.221N
POLY 6	P=0.123N	P=0.224N	P=0.232N	P=0.201N
RAO-SCOTT	P=0.233N	P=0.367N	P=0.371N	P=0.360N
LITTER C-A/FISHERS	P=0.114N	P=0.254N	P=0.246N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Ovary				
Granulosa Cell Tumor: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/89 (0%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/70.48	0/73.31	0/70.88	0/79.63
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	0/49 (0%)	0/61 (0%)
FIRST INCIDENCE	550	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.049N*	P=0.114N	P=0.120N	P=0.101N
POLY 1.5	P=0.048N*	P=0.117N	P=0.122N	P=0.108N
POLY 6	P=0.050N*	P=0.111N	P=0.117N	P=0.094N
RAO-SCOTT	P=0.126N	P=0.229N	P=0.234N	P=0.219N
LITTER C-A/FISHERS	P=0.047N*	P=0.125N	P=0.120N	P=0.120N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pancreas				
Adenoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pancreas				
Carcinoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pancreas				
Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr

Parathyroid Gland
Adenoma

TUMOR RATES

OVERALL (a)	0/87 (0%)	0/80 (0%)	0/85 (0%)	0/85 (0%)
LITTERS (b)	0/35 (0%)	0/33 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/66.85	0/65.54	0/68.03	0/75.03
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/46 (0%)	0/40 (0%)	0/48 (0%)	0/58 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	43/90 (48%)	41/89 (46%)	30/89 (34%)	40/90 (44%)
LITTERS (b)	28/35 (80%)	26/34 (76%)	21/35 (60%)	25/35 (71%)
POLY-3 RATE (c)	43/75.36	41/77.56	30/76.01	40/81.61
POLY-3 PERCENT (g)	57.1%	52.9%	39.5%	49%
TERMINAL (d)	28/48 (58%)	20/45 (44%)	16/50 (32%)	31/61 (51%)
FIRST INCIDENCE	464	578	493	626
STATISTICAL TESTS				
POLY 3	P=0.149N	P=0.356N	P=0.019N*	P=0.191N
POLY 1.5	P=0.188N	P=0.407N	P=0.024N*	P=0.251N
POLY 6	P=0.122N	P=0.296N	P=0.015N*	P=0.146N
RAO-SCOTT	P=0.156N	P=0.360N	P=0.026N*	P=0.204N
LITTER C-A/FISHERS	P=0.203N	P=0.474N	P=0.058N	P=0.289N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	44/90 (49%)	42/89 (47%)	31/89 (35%)	40/90 (44%)
LITTERS (b)	29/35 (83%)	26/34 (76%)	21/35 (60%)	25/35 (71%)
POLY-3 RATE (c)	44/76.00	42/77.61	31/76.23	40/81.61
POLY-3 PERCENT (g)	57.9%	54.1%	40.7%	49%
TERMINAL (d)	28/48 (58%)	20/45 (44%)	16/50 (32%)	31/61 (51%)
FIRST INCIDENCE	464	578	493	626
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.375N	P=0.021N*	P=0.162N
POLY 1.5	P=0.149N	P=0.419N	P=0.025N*	P=0.211N
POLY 6	P=0.097N	P=0.322N	P=0.017N*	P=0.126N
RAO-SCOTT	P=0.131N	P=0.381N	P=0.030N*	P=0.180N
LITTER C-A/FISHERS	P=0.144N	P=0.360N	P=0.031N*	P=0.197N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)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%)	3/90 (3%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	3/34 (9%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	3/74.59	2/71.88	2/79.63
POLY-3 PERCENT (g)	0%	4%	2.8%	2.5%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	2/50 (4%)	2/61 (3%)
FIRST INCIDENCE	---	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.398	P=0.134	P=0.246	P=0.270
POLY 1.5	P=0.370	P=0.128	P=0.242	P=0.258
POLY 6	P=0.429	P=0.141	P=0.250	P=0.283
RAO-SCOTT	P=0.388	P=0.150	P=0.252	P=0.282
LITTER C-A/FISHERS	P=0.327	P=0.114	P=0.246	P=0.246

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	0/34 (0%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	2/70.04	0/73.31	1/71.88	3/80.49
POLY-3 PERCENT (g)	2.9%	0%	1.4%	3.7%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	1/50 (2%)	1/61 (2%)
FIRST INCIDENCE	550	---	737 (T)	550
STATISTICAL TESTS				
POLY 3	P=0.269	P=0.228N	P=0.491N	P=0.562
POLY 1.5	P=0.259	P=0.233N	P=0.496N	P=0.539
POLY 6	P=0.281	P=0.224N	P=0.485N	P=0.587
RAO-SCOTT	P=0.322	P=0.260N	P=0.494N	P=0.566
LITTER C-A/FISHERS	P=0.244	P=0.254N	P=0.500N	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	0/90 (0%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	5/35 (14%)	0/34 (0%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	5/71.98	0/73.31	1/71.88	3/80.49
POLY-3 PERCENT (g)	7%	0%	1.4%	3.7%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	1/50 (2%)	1/61 (2%)
FIRST INCIDENCE	268	---	737 (T)	550
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.031N*	P=0.105N	P=0.300N
POLY 1.5	P=0.422N	P=0.033N*	P=0.107N	P=0.323N
POLY 6	P=0.406N	P=0.030N*	P=0.102N	P=0.275N
RAO-SCOTT	P=0.413N	P=0.057N	P=0.142N	P=0.335N
LITTER C-A/FISHERS	P=0.426N	P=0.029N*	P=0.099N	P=0.355N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	0/90 (0%)	1/90 (1%)	3/90 (3%)
LITTERS (b)	5/35 (14%)	0/34 (0%)	1/35 (3%)	3/35 (9%)
POLY-3 RATE (c)	5/71.98	0/73.31	1/71.88	3/80.49
POLY-3 PERCENT (g)	7%	0%	1.4%	3.7%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	1/50 (2%)	1/61 (2%)
FIRST INCIDENCE	268	---	737 (T)	550
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.031N*	P=0.105N	P=0.300N
POLY 1.5	P=0.422N	P=0.033N*	P=0.107N	P=0.323N
POLY 6	P=0.406N	P=0.030N*	P=0.102N	P=0.275N
RAO-SCOTT	P=0.413N	P=0.057N	P=0.142N	P=0.335N
LITTER C-A/FISHERS	P=0.426N	P=0.029N*	P=0.099N	P=0.355N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/71.40	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	4.2%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	268	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.048N*	P=0.116N	P=0.119N	P=0.103N
POLY 1.5	P=0.047N*	P=0.119N	P=0.121N	P=0.110N
POLY 6	P=0.049N*	P=0.113N	P=0.117N	P=0.095N
RAO-SCOTT	P=0.124N	P=0.228N	P=0.230N	P=0.218N
LITTER C-A/FISHERS	P=0.047N*	P=0.125N	P=0.120N	P=0.120N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	1/34 (3%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	1/74.01	2/71.88	1/79.63
POLY-3 PERCENT (g)	0%	1.4%	2.8%	1.3%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	2/50 (4%)	1/61 (2%)
FIRST INCIDENCE	---	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.431	P=0.513	P=0.246	P=0.527
POLY 1.5	P=0.407	P=0.507	P=0.242	P=0.517
POLY 6	P=0.457	P=0.518	P=0.250	P=0.538
RAO-SCOTT	P=0.427	P=0.510	P=0.266	P=0.535
LITTER C-A/FISHERS	P=0.369	P=0.493	P=0.246	P=0.500

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	1/90 (1%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	1/35 (3%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	0/73.31	1/71.88	2/79.77
POLY-3 PERCENT (g)	0%	0%	1.4%	2.5%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	1/50 (2%)	1/61 (2%)
FIRST INCIDENCE	---	---	737 (T)	702
STATISTICAL TESTS				
POLY 3	P=0.086	(e)	P=0.507	P=0.270
POLY 1.5	P=0.080	(e)	P=0.503	P=0.258
POLY 6	P=0.093	(e)	P=0.511	P=0.284
RAO-SCOTT	P=0.145	(e)	P=0.546	P=0.341
LITTER C-A/FISHERS	P=0.071	(e)	P=0.500	P=0.246

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Myxosarcoma				
<hr/>				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/71.30	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	2.8%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	268	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.119N	P=0.232N	P=0.236N	P=0.215N
POLY 1.5	P=0.117N	P=0.236N	P=0.239N	P=0.224N
POLY 6	P=0.121N	P=0.228N	P=0.233N	P=0.205N
RAO-SCOTT	P=0.232N	P=0.371N	P=0.372N	P=0.365N
LITTER C-A/FISHERS	P=0.114N	P=0.254N	P=0.246N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	2/90 (2%)	0/90 (0%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	2/34 (6%)	0/35 (0%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	2/73.89	0/71.88	1/79.63
POLY-3 PERCENT (g)	0%	2.7%	0%	1.3%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	1/61 (2%)
FIRST INCIDENCE	---	656	---	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.589	P=0.252	(e)	P=0.527
POLY 1.5	P=0.570	P=0.246	(e)	P=0.517
POLY 6	P=0.610	P=0.259	(e)	P=0.538
RAO-SCOTT	P=0.595	P=0.322	(e)	P=0.587
LITTER C-A/FISHERS	P=0.542	P=0.239	(e)	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Papilloma				
<hr/>				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	3/90 (3%)	2/90 (2%)	2/90 (2%)
LITTERS (b)	0/35 (0%)	3/34 (9%)	2/35 (6%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	3/74.59	2/71.88	2/79.63
POLY-3 PERCENT (g)	0%	4%	2.8%	2.5%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	2/50 (4%)	2/61 (3%)
FIRST INCIDENCE	---	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.398	P=0.134	P=0.246	P=0.270
POLY 1.5	P=0.370	P=0.128	P=0.242	P=0.258
POLY 6	P=0.429	P=0.141	P=0.250	P=0.283
RAO-SCOTT	P=0.388	P=0.150	P=0.252	P=0.282
LITTER C-A/FISHERS	P=0.327	P=0.114	P=0.246	P=0.246

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/90 (1%)	2/90 (2%)	1/90 (1%)
LITTERS (b)	0/35 (0%)	1/34 (3%)	2/35 (6%)	1/35 (3%)
POLY-3 RATE (c)	0/69.46	1/74.01	2/71.88	1/79.63
POLY-3 PERCENT (g)	0%	1.4%	2.8%	1.3%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	2/50 (4%)	1/61 (2%)
FIRST INCIDENCE	---	493	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.431	P=0.513	P=0.246	P=0.527
POLY 1.5	P=0.407	P=0.507	P=0.242	P=0.517
POLY 6	P=0.457	P=0.518	P=0.250	P=0.538
RAO-SCOTT	P=0.427	P=0.510	P=0.266	P=0.535
LITTER C-A/FISHERS	P=0.369	P=0.493	P=0.246	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Spleen				
Hemangiosarcoma				
<hr/>				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/70.13	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	1.4%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	508	---	---	---
<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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thymus				
Thymoma: Benign, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	2/87 (2%)	0/83 (0%)	1/87 (1%)	0/87 (0%)
LITTERS (b)	2/35 (6%)	0/34 (0%)	1/34 (3%)	0/35 (0%)
POLY-3 RATE (c)	2/66.71	0/67.54	1/70.28	0/77.40
POLY-3 PERCENT (g)	3%	0%	1.4%	0%
TERMINAL (d)	2/46 (4%)	0/43 (0%)	1/50 (2%)	0/60 (0%)
FIRST INCIDENCE	737 (T)	---	737 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.178N	P=0.235N	P=0.482N	P=0.207N
POLY 1.5	P=0.181N	P=0.241N	P=0.491N	P=0.219N
POLY 6	P=0.175N	P=0.229N	P=0.471N	P=0.195N
RAO-SCOTT	P=0.249N	P=0.318N	P=0.521N	P=0.299N
LITTER C-A/FISHERS	P=0.188N	P=0.254N	P=0.511N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	6/90 (7%)	9/90 (10%)	3/90 (3%)	8/89 (9%)
LITTERS (b)	6/35 (17%)	9/34 (26%)	3/35 (9%)	7/35 (20%)
POLY-3 RATE (c)	6/70.60	9/74.29	3/72.12	8/79.58
POLY-3 PERCENT (g)	8.5%	12.1%	4.2%	10.1%
TERMINAL (d)	3/48 (6%)	6/45 (13%)	2/50 (4%)	6/61 (10%)
FIRST INCIDENCE	608	578	674	669
STATISTICAL TESTS				
POLY 3	P=0.553	P=0.329	P=0.235N	P=0.482
POLY 1.5	P=0.519	P=0.314	P=0.241N	P=0.445
POLY 6	P=0.531N	P=0.343	P=0.229N	P=0.520
RAO-SCOTT	P=0.548N	P=0.326	P=0.232N	P=0.473
LITTER C-A/FISHERS	P=0.507N	P=0.259	P=0.239N	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thyroid Gland: C-Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	3/90 (3%)	3/90 (3%)	2/89 (2%)
LITTERS (b)	0/35 (0%)	3/34 (9%)	3/35 (9%)	2/35 (6%)
POLY-3 RATE (c)	0/69.46	3/73.67	3/72.22	2/79.19
POLY-3 PERCENT (g)	0%	4.1%	4.2%	2.5%
TERMINAL (d)	0/48 (0%)	2/45 (4%)	2/50 (4%)	2/61 (3%)
FIRST INCIDENCE	---	635	643	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.393	P=0.132	P=0.128	P=0.269
POLY 1.5	P=0.361	P=0.127	P=0.124	P=0.256
POLY 6	P=0.430	P=0.137	P=0.132	P=0.283
RAO-SCOTT	P=0.384	P=0.155	P=0.151	P=0.292
LITTER C-A/FISHERS	P=0.315	P=0.114	P=0.120	P=0.246

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	6/90 (7%)	11/90 (12%)	6/90 (7%)	10/89 (11%)
LITTERS (b)	6/35 (17%)	11/34 (32%)	6/35 (17%)	9/35 (26%)
POLY-3 RATE (c)	6/70.60	11/74.29	6/72.45	10/79.58
POLY-3 PERCENT (g)	8.5%	14.8%	8.3%	12.6%
TERMINAL (d)	3/48 (6%)	8/45 (18%)	4/50 (8%)	8/61 (13%)
FIRST INCIDENCE	608	578	643	669
STATISTICAL TESTS				
POLY 3	P=0.394	P=0.178	P=0.600N	P=0.295
POLY 1.5	P=0.354	P=0.167	P=0.609N	P=0.261
POLY 6	P=0.438	P=0.187	P=0.590N	P=0.331
RAO-SCOTT	P=0.390	P=0.175	P=0.579N	P=0.288
LITTER C-A/FISHERS	P=0.402	P=0.118	P=0.624	P=0.281

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Cell Phone Radiation: CDMA
 CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018
 Time Report Requested: 13:54:59
 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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Tissue NOS				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	1/70.16	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	1.4%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	489	---	---	---
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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Uterus Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/90 (1%)	0/90 (0%)	3/90 (3%)
LITTERS (b)	2/35 (6%)	1/34 (3%)	0/35 (0%)	3/35 (9%)
POLY-3 RATE (c)	3/69.46	1/73.61	0/71.88	3/79.63
POLY-3 PERCENT (g)	4.3%	1.4%	0%	3.8%
TERMINAL (d)	3/48 (6%)	0/45 (0%)	0/50 (0%)	3/61 (5%)
FIRST INCIDENCE	737 (T)	656	---	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.549	P=0.286N	P=0.115N	P=0.597N
POLY 1.5	P=0.540	P=0.295N	P=0.118N	P=0.621N
POLY 6	P=0.558	P=0.276N	P=0.111N	P=0.570N
RAO-SCOTT	P=0.593	P=0.370N	P=0.207N	P=0.619N
LITTER C-A/FISHERS	P=0.340	P=0.511N	P=0.246N	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Uterus				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	2/35 (6%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	2/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	2.9%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	737 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.122N	P=0.226N	P=0.230N	P=0.209N
POLY 1.5	P=0.119N	P=0.232N	P=0.234N	P=0.220N
POLY 6	P=0.124N	P=0.221N	P=0.226N	P=0.199N
RAO-SCOTT	P=0.235N	P=0.368N	P=0.369N	P=0.361N
LITTER C-A/FISHERS	P=0.114N	P=0.254N	P=0.246N	P=0.246N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Uterus				
Leiomyosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	1/69.46	0/73.31	2/72.22	0/79.63
POLY-3 PERCENT (g)	1.4%	0%	2.8%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	1/50 (2%)	0/61 (0%)
FIRST INCIDENCE	737 (T)	---	643	---
STATISTICAL TESTS				
POLY 3	P=0.426N	P=0.489N	P=0.514	P=0.473N
POLY 1.5	P=0.438N	P=0.494N	P=0.507	P=0.483N
POLY 6	P=0.412N	P=0.485N	P=0.522	P=0.462N
RAO-SCOTT	P=0.487N	P=0.558N	P=0.549	P=0.559N
LITTER C-A/FISHERS	P=0.458N	P=0.507N	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	16/90 (18%)	17/90 (19%)	16/90 (18%)	17/90 (19%)
LITTERS (b)	11/35 (31%)	13/34 (38%)	15/35 (43%)	13/35 (37%)
POLY-3 RATE (c)	16/70.60	17/73.94	16/72.88	17/80.34
POLY-3 PERCENT (g)	22.7%	23%	22%	21.2%
TERMINAL (d)	14/48 (29%)	13/45 (29%)	12/50 (24%)	14/61 (23%)
FIRST INCIDENCE	531	605	631	587
STATISTICAL TESTS				
POLY 3	P=0.429N	P=0.561	P=0.540N	P=0.490N
POLY 1.5	P=0.490N	P=0.534	P=0.560N	P=0.552N
POLY 6	P=0.360N	P=0.573N	P=0.509N	P=0.422N
RAO-SCOTT	P=0.437N	P=0.552	P=0.532N	P=0.490N
LITTER C-A/FISHERS	P=0.374	P=0.367	P=0.229	P=0.401

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	16/90 (18%)	17/90 (19%)	16/90 (18%)	17/90 (19%)
LITTERS (b)	11/35 (31%)	13/34 (38%)	15/35 (43%)	13/35 (37%)
POLY-3 RATE (c)	16/70.60	17/73.94	16/72.88	17/80.34
POLY-3 PERCENT (g)	22.7%	23%	22%	21.2%
TERMINAL (d)	14/48 (29%)	13/45 (29%)	12/50 (24%)	14/61 (23%)
FIRST INCIDENCE	531	605	631	587
STATISTICAL TESTS				
POLY 3	P=0.429N	P=0.561	P=0.540N	P=0.490N
POLY 1.5	P=0.490N	P=0.534	P=0.560N	P=0.552N
POLY 6	P=0.360N	P=0.573N	P=0.509N	P=0.422N
RAO-SCOTT	P=0.437N	P=0.552	P=0.532N	P=0.490N
LITTER C-A/FISHERS	P=0.374	P=0.367	P=0.229	P=0.401

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
Uterus				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	1/35 (3%)	0/34 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	2/70.12	0/73.31	2/71.88	0/79.63
POLY-3 PERCENT (g)	2.9%	0%	2.8%	0%
TERMINAL (d)	1/48 (2%)	0/45 (0%)	2/50 (4%)	0/61 (0%)
FIRST INCIDENCE	513	---	737 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.225N	P=0.228N	P=0.684N	P=0.211N
POLY 1.5	P=0.233N	P=0.233N	P=0.689N	P=0.221N
POLY 6	P=0.217N	P=0.224N	P=0.679N	P=0.201N
RAO-SCOTT	P=0.368N	P=0.419N	P=0.711N	P=0.415N
LITTER C-A/FISHERS	P=0.458N	P=0.507N	P=0.500	P=0.500N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/70.13	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	508	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.049N*	P=0.113N	P=0.116N	P=0.100N
POLY 1.5	P=0.048N*	P=0.117N	P=0.119N	P=0.108N
POLY 6	P=0.050N*	P=0.110N	P=0.113N	P=0.093N
RAO-SCOTT	P=0.129N	P=0.232N	P=0.234N	P=0.222N
LITTER C-A/FISHERS	P=0.047N*	P=0.125N	P=0.120N	P=0.120N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	3/35 (9%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	3/70.13	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	2/48 (4%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	508	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.049N*	P=0.113N	P=0.116N	P=0.100N
POLY 1.5	P=0.048N*	P=0.117N	P=0.119N	P=0.108N
POLY 6	P=0.050N*	P=0.110N	P=0.113N	P=0.093N
RAO-SCOTT	P=0.129N	P=0.232N	P=0.234N	P=0.222N
LITTER C-A/FISHERS	P=0.047N*	P=0.125N	P=0.120N	P=0.120N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	2/90 (2%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	2/35 (6%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	2/72.49	0/79.63
POLY-3 PERCENT (g)	0%	0%	2.8%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	---	---	631	---
STATISTICAL TESTS				
POLY 3	P=0.660	(e)	P=0.248	(e)
POLY 1.5	P=0.637	(e)	P=0.243	(e)
POLY 6	P=0.683	(e)	P=0.254	(e)
RAO-SCOTT	P=0.664	(e)	P=0.373	(e)
LITTER C-A/FISHERS	P=0.597	(e)	P=0.246	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	3/90 (3%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	3/34 (9%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	3/74.28	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	4%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (0%)
FIRST INCIDENCE	---	623	---	---
STATISTICAL TESTS				
POLY 3	P=0.269N	P=0.133	(e)	(e)
POLY 1.5	P=0.286N	P=0.128	(e)	(e)
POLY 6	P=0.251N	P=0.140	(e)	(e)
RAO-SCOTT	P=0.386N	P=0.239	(e)	(e)
LITTER C-A/FISHERS	P=0.309N	P=0.114	(e)	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	2/90 (2%)	4/90 (4%)	3/90 (3%)
LITTERS (b)	5/35 (14%)	2/34 (6%)	4/35 (11%)	3/35 (9%)
POLY-3 RATE (c)	5/71.54	2/73.43	4/73.29	3/80.37
POLY-3 PERCENT (g)	7%	2.7%	5.5%	3.7%
TERMINAL (d)	0/48 (0%)	1/45 (2%)	1/50 (2%)	0/61 (0%)
FIRST INCIDENCE	268	706	483	587
STATISTICAL TESTS				
POLY 3	P=0.338N	P=0.209N	P=0.485N	P=0.298N
POLY 1.5	P=0.358N	P=0.215N	P=0.494N	P=0.321N
POLY 6	P=0.316N	P=0.204N	P=0.474N	P=0.274N
RAO-SCOTT	P=0.339N	P=0.209N	P=0.472N	P=0.297N
LITTER C-A/FISHERS	P=0.382N	P=0.226N	P=0.500N	P=0.355N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant Schwannoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/90 (4%)	2/90 (2%)	2/90 (2%)	4/90 (4%)
LITTERS (b)	3/35 (9%)	2/34 (6%)	2/35 (6%)	4/35 (11%)
POLY-3 RATE (c)	4/70.83	2/73.63	2/71.88	4/79.63
POLY-3 PERCENT (g)	5.7%	2.7%	2.8%	5%
TERMINAL (d)	2/48 (4%)	1/45 (2%)	2/50 (4%)	4/61 (7%)
FIRST INCIDENCE	489	649	737 (T)	737 (T)
STATISTICAL TESTS				
POLY 3	P=0.546	P=0.321N	P=0.332N	P=0.576N
POLY 1.5	P=0.529	P=0.329N	P=0.336N	P=0.600N
POLY 6	P=0.565	P=0.313N	P=0.326N	P=0.550N
RAO-SCOTT	P=0.561	P=0.346N	P=0.354N	P=0.577N
LITTER C-A/FISHERS	P=0.360	P=0.514N	P=0.500N	P=0.500

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Mesothelioma: Benign, Malignant, NOS				
<hr/>				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Mesothelioma: Malignant				
<hr/>				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
LITTERS (b)	0/35 (0%)	0/34 (0%)	0/35 (0%)	0/35 (0%)
POLY-3 RATE (c)	0/69.46	0/73.31	0/71.88	0/79.63
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/48 (0%)	0/45 (0%)	0/50 (0%)	0/61 (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 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	82/90 (91%)	84/90 (93%)	78/90 (87%)	79/90 (88%)
LITTERS (b)	35/35 (100%)	34/34 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	82/84.48	84/86.02	78/85.96	79/86.68
POLY-3 PERCENT (g)	97.1%	97.7%	90.7%	91.1%
TERMINAL (d)	48/48 (100%)	44/45 (98%)	44/50 (88%)	55/61 (90%)
FIRST INCIDENCE	464	300	268	492
STATISTICAL TESTS				
POLY 3	P=0.018N*	P=0.619	P=0.058N	P=0.069N
POLY 1.5	P=0.037N*	P=0.500	P=0.103N	P=0.118N
POLY 6	P=0.013N*	P=0.755N	P=0.039N*	P=0.048N*
RAO-SCOTT	P=0.039N*	P=0.602	P=0.098N	P=0.113N
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	37/90 (41%)	28/90 (31%)	24/90 (27%)	22/90 (24%)
LITTERS (b)	25/35 (71%)	19/34 (56%)	19/35 (54%)	20/35 (57%)
POLY-3 RATE (c)	37/76.89	28/79.81	24/77.35	22/82.65
POLY-3 PERCENT (g)	48.1%	35.1%	31%	26.6%
TERMINAL (d)	21/48 (44%)	10/45 (22%)	10/50 (20%)	14/61 (23%)
FIRST INCIDENCE	268	300	483	305
STATISTICAL TESTS				
POLY 3	P=0.004N**	P=0.063N	P=0.019N*	P=0.003N**
POLY 1.5	P=0.006N**	P=0.079N	P=0.024N*	P=0.005N**
POLY 6	P=0.003N**	P=0.048N*	P=0.014N*	P=0.002N**
RAO-SCOTT	P=0.006N**	P=0.073N	P=0.026N*	P=0.005N**
LITTER C-A/FISHERS	P=0.185N	P=0.137N	P=0.108N	P=0.159N

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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(CDMA)chr	1.5W/kg(CDMA)chr	3.0W/kg(CDMA)chr	6.0W/kg(CDMA)chr
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	89/90 (99%)	88/90 (98%)	82/90 (91%)	85/90 (94%)
LITTERS (b)	35/35 (100%)	34/34 (100%)	35/35 (100%)	35/35 (100%)
POLY-3 RATE (c)	89/89.02	88/89.17	82/88.18	85/88.18
POLY-3 PERCENT (g)	100%	98.7%	93%	96.4%
TERMINAL (d)	48/48 (100%)	44/45 (98%)	44/50 (88%)	59/61 (97%)
FIRST INCIDENCE	268	300	268	305
STATISTICAL TESTS				
POLY 3	P=0.062N	P=0.442N	P=0.015N*	P=0.081N
POLY 1.5	P=0.043N*	P=0.404N	P=0.014N*	P=0.060N
POLY 6	P=0.106N	P=0.489N	P=0.017N*	P=0.149N
RAO-SCOTT	P=0.127N	P=0.582N	P=0.051N	P=0.203N
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/04/2018

Time Report Requested: 13:54:59

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

Lab: IIT

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of litters with tumor-bearing animals/number of litters examined at site
- (c) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (n) No statistics are calculated if all dose groups have fewer than two tumors.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
- ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
- N Indicates a negative trend for all tests
The Rao-Scott statistic performs the Poly-3 test with an adjustment for within-litter correlation.
The Litter C-A/Fishers statistic compare directly the litter incidence rates.

*** END OF REPORT ***