

Experiment Number: 20105 - 78
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
Time Report Requested: 11:33:41
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

Final 1 Revision 2 - GSM Mice Core Study

NTP Study Number:	C20105		
Lock Date:	04/07/2016		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25023 MISS	25022 ACCK	25021 TSAC
	25020 NATD	25019 MSAC	
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	3.0.2.4_cartox		
PWG Approval Date:	08/24/2017		

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HISTORICAL CONTROL STUDIES

From August 2017 report

SAME ROUTE

ALL ROUTES

20601-04 -- Antimony trioxide (INHALATION AIR)

20725-04 -- 2,3-Butanedione (INHALATION AIR)

20203-04 -- Green Tea Extract (GAVAGE WATER)

20515-04 -- Metal Working Fluids: CIMSTAR 3800 (INHALATION AIR)

20523-04 -- Metal Working Fluids: TRIM VX (INHALATION AIR)

10472-04 -- p-Chloro-a,a,a-trifluorotoluene (INHALATION AIR)

20209-04 -- Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)] (GAVAGE CORN OIL)

20320-04 -- Tetrabromobisphenol A (GAVAGE CORN OIL)

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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
Bone Marrow
Islets, Pancreatic
Kidney
Liver
Lung
Ovary
Pituitary Gland
Spleen
Testis
Urinary Bladder

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

MALE MICE

Organ

Adrenal Cortex
Harderian Gland
Intestine Small: Site Unspecified
Islets, Pancreatic
Liver

Lung
Spleen
Testis
Urinary Bladder
All Organs

Morphology

Adenoma
Carcinoma
Carcinoma
Carcinoma or Adenoma
Hepatoblastoma
Hepatocellular Adenoma
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
Hemangiosarcoma
Adenoma
Papilloma
Hemangiosarcoma or Hemangioma
Benign Tumors

FEMALE MICE

Organ

Adrenal Medulla
Kidney: Renal Tubule
Liver

Lung
Skin

Uterus
All Organs

Morphology

Pheochromocytoma Malignant
Adenoma
Hepatocellular Adenoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Alveolar/Bronchiolar Carcinoma
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma
Fibrosarcoma
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma
Hemangiosarcoma
Malignant Fibrous Histiocytoma
Polyp Stromal
Histiocytic Sarcoma
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type
Osteosarcoma
Osteosarcoma or Osteoma
Malignant and Benign Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	3/89 (3%)	3/89 (3%)	0/88 (0%)
POLY-3 RATE (b)	0/80.23	3/80.70	3/85.40	0/81.68
POLY-3 PERCENT (g)	0%	3.7%	3.5%	0%
TERMINAL (d)	0/66 (0%)	3/63 (5%)	3/79 (4%)	0/70 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	20/397 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.427N	P=0.122	P=0.133	(e)
POLY 1.5	P=0.432N	P=0.123	P=0.129	(e)
POLY 6	P=0.423N	P=0.119	P=0.136	(e)
COCH-ARM / FISHERS	P=0.452N	P=0.121	P=0.121	(e)
MAX-ISO-POLY-3	P=0.205N	P=0.041*	P=0.050*	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.062			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/88 (0%)	0/88 (0%)	0/86 (0%)
POLY-3 RATE (b)	0/80.23	0/79.70	0/84.40	0/79.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/66 (0%)	0/62 (0%)	0/78 (0%)	0/68 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/396 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/88 (0%)	0/88 (0%)	0/86 (0%)
POLY-3 RATE (b)	0/80.23	0/79.70	0/84.40	0/79.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/66 (0%)	0/62 (0%)	0/78 (0%)	0/68 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/396 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Bone Marrow				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/88 (0%)	1/90 (1%)	1/90 (1%)
POLY-3 RATE (b)	0/80.23	0/79.98	1/86.40	1/83.87
POLY-3 PERCENT (g)	0%	0%	1.2%	1.2%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	1/80 (1%)	0/72 (0%)
FIRST INCIDENCE	---	---	729 (T)	681
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/397 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/90 (7%)	7/89 (8%)	11/90 (12%)	5/90 (6%)
POLY-3 RATE (b)	6/80.23	7/80.93	11/86.40	5/83.84
POLY-3 PERCENT (g)	7.5%	8.7%	12.7%	6%
TERMINAL (d)	6/66 (9%)	5/63 (8%)	11/80 (14%)	4/72 (6%)
FIRST INCIDENCE	729 (T)	672	729 (T)	689
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	44/400 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.506	P=0.194	P=0.470N
POLY 1.5	P=0.426N	P=0.508	P=0.183	P=0.477N
POLY 6	P=0.402N	P=0.497	P=0.206	P=0.464N
COCH-ARM / FISHERS	P=0.458N	P=0.492	P=0.154	P=0.500N
MAX-ISO-POLY-3	P=0.333N	P=0.392	P=0.140	P=0.351N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.199			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	2/89 (2%)	1/90 (1%)	0/90 (0%)
POLY-3 RATE (b)	3/80.38	2/81.14	1/86.40	0/83.68
POLY-3 PERCENT (g)	3.7%	2.5%	1.2%	0%
TERMINAL (d)	2/66 (3%)	0/63 (0%)	1/80 (1%)	0/72 (0%)
FIRST INCIDENCE	690	651	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	12/400 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.059N	P=0.496N	P=0.282N	P=0.114N
POLY 1.5	P=0.060N	P=0.495N	P=0.288N	P=0.116N
POLY 6	P=0.058N	P=0.501N	P=0.276N	P=0.113N
COCH-ARM / FISHERS	P=0.063N	P=0.505N	P=0.310N	P=0.123N
MAX-ISO-POLY-3	P=0.063N	P=0.323N	P=0.147N	P=0.039N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.875			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	9/90 (10%)	9/89 (10%)	12/90 (13%)	5/90 (6%)
POLY-3 RATE (b)	9/80.38	9/81.37	12/86.40	5/83.84
POLY-3 PERCENT (g)	11.2%	11.1%	13.9%	6%
TERMINAL (d)	8/66 (12%)	5/63 (8%)	12/80 (15%)	4/72 (6%)
FIRST INCIDENCE	690	651	729 (T)	689
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	56/400 (14%)			
STATISTICAL TESTS				
POLY 3	P=0.160N	P=0.588N	P=0.386	P=0.179N
POLY 1.5	P=0.168N	P=0.587N	P=0.369	P=0.184N
POLY 6	P=0.153N	P=0.596N	P=0.403	P=0.175N
COCH-ARM / FISHERS	P=0.189N	P=0.588	P=0.322	P=0.202N
MAX-ISO-POLY-3	P=0.169N	P=0.488N	P=0.307	P=0.120N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.315			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Intestine Small: Jejunum Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/89 (0%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	2/80.30	0/80.70	0/86.40	1/83.68
POLY-3 PERCENT (g)	2.5%	0%	0%	1.2%
TERMINAL (d)	1/66 (2%)	0/63 (0%)	0/80 (0%)	1/72 (1%)
FIRST INCIDENCE	711	---	---	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.459N	P=0.237N	P=0.223N	P=0.486N
POLY 1.5	P=0.461N	P=0.236N	P=0.227N	P=0.489N
POLY 6	P=0.455N	P=0.241N	P=0.219N	P=0.484N
COCH-ARM / FISHERS	P=0.460N	P=0.251N	P=0.249N	P=0.500N
MAX-ISO-POLY-3	P=0.133N	P=0.078N	P=0.077N	P=0.273N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.478			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/89 (1%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	3/80.68	1/80.70	0/86.40	1/83.68
POLY-3 PERCENT (g)	3.7%	1.2%	0%	1.2%
TERMINAL (d)	1/66 (2%)	1/63 (2%)	0/80 (0%)	1/72 (1%)
FIRST INCIDENCE	622	729 (T)	---	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.196N	P=0.307N	P=0.110N	P=0.294N
POLY 1.5	P=0.198N	P=0.304N	P=0.112N	P=0.296N
POLY 6	P=0.193N	P=0.313N	P=0.107N	P=0.293N
COCH-ARM / FISHERS	P=0.201N	P=0.315N	P=0.123N	P=0.310N
MAX-ISO-POLY-3	P=0.084N	P=0.157N	P=0.039N*	P=0.151N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.157			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Intestine Small: Site Unspecified Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	1/89 (1%)	1/90 (1%)	1/90 (1%)
POLY-3 RATE (b)	3/80.68	1/80.70	1/86.40	1/83.68
POLY-3 PERCENT (g)	3.7%	1.2%	1.2%	1.2%
TERMINAL (d)	1/66 (2%)	1/63 (2%)	1/80 (1%)	1/72 (1%)
FIRST INCIDENCE	622	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	11/400 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.235N	P=0.307N	P=0.283N	P=0.294N
POLY 1.5	P=0.238N	P=0.304N	P=0.289N	P=0.296N
POLY 6	P=0.231N	P=0.313N	P=0.278N	P=0.293N
COCH-ARM / FISHERS	P=0.242N	P=0.315N	P=0.310N	P=0.310N
MAX-ISO-POLY-3	P=0.186N	P=0.157N	P=0.148N	P=0.151N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.766			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	0/88 (0%)	1/88 (1%)	0/90 (0%)	2/89 (2%)
POLY-3 RATE (b)	0/79.07	1/80.23	0/86.40	2/83.30
POLY-3 PERCENT (g)	0%	1.3%	0%	2.4%
TERMINAL (d)	0/65 (0%)	0/63 (0%)	0/80 (0%)	0/71 (0%)
FIRST INCIDENCE	---	726	---	614
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/397 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.149	P=0.503	(e)	P=0.250
POLY 1.5	P=0.148	P=0.504	(e)	P=0.248
POLY 6	P=0.151	P=0.500	(e)	P=0.252
COCH-ARM / FISHERS	P=0.142	P=0.500	(e)	P=0.251
MAX-ISO-POLY-3	P=0.092	P=0.162	(e)	P=0.088
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.277	P=1.000	(e)	P=0.395
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.271			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/88 (0%)	1/88 (1%)	1/90 (1%)	3/89 (3%)
POLY-3 RATE (b)	0/79.07	1/80.23	1/86.72	3/83.34
POLY-3 PERCENT (g)	0%	1.3%	1.2%	3.6%
TERMINAL (d)	0/65 (0%)	0/63 (0%)	0/80 (0%)	0/71 (0%)
FIRST INCIDENCE	---	726	640	614
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	6/397 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.061	P=0.503	P=0.518	P=0.131
POLY 1.5	P=0.059	P=0.504	P=0.515	P=0.129
POLY 6	P=0.062	P=0.500	P=0.523	P=0.133
COCH-ARM / FISHERS	P=0.056	P=0.500	P=0.506	P=0.125
MAX-ISO-POLY-3	P=0.053	P=0.162	P=0.180	P=0.047*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.145	P=1.000	P=1.000	P=0.168
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.239			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Kidney: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	1/89 (1%)	1/90 (1%)	0/89 (0%)
POLY-3 RATE (b)	0/80.23	1/80.70	1/86.40	0/82.89
POLY-3 PERCENT (g)	0%	1.2%	1.2%	0%
TERMINAL (d)	0/66 (0%)	1/63 (2%)	1/80 (1%)	0/72 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/399 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	3/89 (3%)	2/90 (2%)	2/90 (2%)
POLY-3 RATE (b)	1/80.25	3/81.15	2/86.40	2/83.87
POLY-3 PERCENT (g)	1.3%	3.7%	2.3%	2.4%
TERMINAL (d)	0/66 (0%)	1/63 (2%)	2/80 (3%)	1/72 (1%)
FIRST INCIDENCE	725	667	729 (T)	681
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.526	P=0.311	P=0.526	P=0.515
POLY 1.5	P=0.520	P=0.311	P=0.519	P=0.512
POLY 6	P=0.532	P=0.307	P=0.532	P=0.518
COCH-ARM / FISHERS	P=0.502	P=0.306	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.430	P=0.161	P=0.309	P=0.298
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.257	P=0.087	P=0.288	P=0.280
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.768			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	6/90 (7%)	3/89 (3%)	9/90 (10%)	1/90 (1%)
POLY-3 RATE (b)	6/80.30	3/80.70	9/86.64	1/83.68
POLY-3 PERCENT (g)	7.5%	3.7%	10.4%	1.2%
TERMINAL (d)	5/66 (8%)	3/63 (5%)	8/80 (10%)	1/72 (1%)
FIRST INCIDENCE	711	729 (T)	667	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	9/400 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.105N	P=0.244N	P=0.350	P=0.054N
POLY 1.5	P=0.110N	P=0.242N	P=0.334	P=0.055N
POLY 6	P=0.100N	P=0.251N	P=0.365	P=0.053N
COCH-ARM / FISHERS	P=0.123N	P=0.254N	P=0.296	P=0.059N
MAX-ISO-POLY-3	P=0.070N	P=0.151N	P=0.264	P=0.025N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.218	P=0.346	P<0.001**	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.023*			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	52/90 (58%)	61/89 (69%)	66/90 (73%)	55/90 (61%)
POLY-3 RATE (b)	52/83.41	61/82.71	66/87.68	55/85.01
POLY-3 PERCENT (g)	62.3%	73.8%	75.3%	64.7%
TERMINAL (d)	45/66 (68%)	52/63 (83%)	61/80 (76%)	49/72 (68%)
FIRST INCIDENCE	393	533	605	614
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	209/400 (52%)			
STATISTICAL TESTS				
POLY 3	P=0.526N	P=0.072	P=0.044*	P=0.437
POLY 1.5	P=0.518	P=0.090	P=0.037*	P=0.434
POLY 6	P=0.497N	P=0.046*	P=0.054	P=0.438
COCH-ARM / FISHERS	P=0.440	P=0.090	P=0.021*	P=0.381
MAX-ISO-POLY-3	P=0.160	P=0.051	P=0.034*	P=0.373
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.101	P=0.019*	P=0.011*	P=0.141
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.374			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	28/90 (31%)	25/89 (28%)	30/90 (33%)	22/90 (24%)
POLY-3 RATE (b)	28/81.79	25/83.27	30/88.01	22/84.90
POLY-3 PERCENT (g)	34.2%	30%	34.1%	25.9%
TERMINAL (d)	18/66 (27%)	15/63 (24%)	25/80 (31%)	17/72 (24%)
FIRST INCIDENCE	608	547	604	538
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	116/400 (29%)			
STATISTICAL TESTS				
POLY 3	P=0.169N	P=0.340N	P=0.556N	P=0.157N
POLY 1.5	P=0.179N	P=0.342N	P=0.536	P=0.165N
POLY 6	P=0.161N	P=0.354N	P=0.527N	P=0.155N
COCH-ARM / FISHERS	P=0.217N	P=0.390N	P=0.437	P=0.203N
MAX-ISO-POLY-3	P=0.207N	P=0.283N	P=0.491N	P=0.124N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=1.000	P=0.315	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.586			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	32/90 (36%)	27/89 (30%)	35/90 (39%)	23/90 (26%)
POLY-3 RATE (b)	32/81.79	27/83.27	35/88.24	23/84.90
POLY-3 PERCENT (g)	39.1%	32.4%	39.7%	27.1%
TERMINAL (d)	22/66 (33%)	17/63 (27%)	29/80 (36%)	18/72 (25%)
FIRST INCIDENCE	608	547	604	538
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	122/400 (31%)			
STATISTICAL TESTS				
POLY 3	P=0.089N	P=0.230N	P=0.534	P=0.067N
POLY 1.5	P=0.097N	P=0.233N	P=0.491	P=0.072N
POLY 6	P=0.083N	P=0.242N	P=0.554N	P=0.065N
COCH-ARM / FISHERS	P=0.127N	P=0.280N	P=0.379	P=0.098N
MAX-ISO-POLY-3	P=0.085N	P=0.186N	P=0.471	P=0.051N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.703	P=1.000	P=0.104	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.270			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	67/90 (74%)	68/89 (76%)	74/90 (82%)	64/90 (71%)
POLY-3 RATE (b)	67/84.71	68/85.12	74/88.75	64/86.19
POLY-3 PERCENT (g)	79.1%	79.9%	83.4%	74.3%
TERMINAL (d)	51/66 (77%)	52/63 (83%)	66/80 (83%)	54/72 (75%)
FIRST INCIDENCE	393	533	604	538
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	276/400 (69%)			
STATISTICAL TESTS				
POLY 3	P=0.232N	P=0.526	P=0.296	P=0.281N
POLY 1.5	P=0.245N	P=0.537	P=0.253	P=0.286N
POLY 6	P=0.220N	P=0.475	P=0.335	P=0.288N
COCH-ARM / FISHERS	P=0.328N	P=0.448	P=0.139	P=0.369N
MAX-ISO-POLY-3	P=0.229N	P=0.447	P=0.236	P=0.224N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.245	P=0.074	P=0.023*	P=0.354
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.183			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	68/90 (76%)	68/89 (76%)	74/90 (82%)	65/90 (72%)
POLY-3 RATE (b)	68/84.71	68/85.12	74/88.75	65/86.19
POLY-3 PERCENT (g)	80.3%	79.9%	83.4%	75.4%
TERMINAL (d)	52/66 (79%)	52/63 (83%)	66/80 (83%)	55/72 (76%)
FIRST INCIDENCE	393	533	604	538
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	278/400 (70%)			
STATISTICAL TESTS				
POLY 3	P=0.243N	P=0.553N	P=0.367	P=0.276N
POLY 1.5	P=0.257N	P=0.539N	P=0.318	P=0.281N
POLY 6	P=0.231N	P=0.557	P=0.412	P=0.283N
COCH-ARM / FISHERS	P=0.342N	P=0.517	P=0.181	P=0.367N
MAX-ISO-POLY-3	P=0.274N	P=0.473N	P=0.299	P=0.219N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.192	P=0.075	P=0.022*	P=0.285
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.132			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocholangiocarcinoma				
TUMOR RATES				
OVERALL (a)	1/90 (1%)	4/89 (4%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	1/80.71	4/82.33	0/86.40	0/83.68
POLY-3 PERCENT (g)	1.2%	4.9%	0%	0%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	588	533	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.115N	P=0.188	P=0.486N	P=0.493N
POLY 1.5	P=0.117N	P=0.187	P=0.490N	P=0.494N
POLY 6	P=0.114N	P=0.186	P=0.483N	P=0.492N
COCH-ARM / FISHERS	P=0.126N	P=0.180	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.088N	P=0.093	P=0.159N	P=0.159N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.738	P=0.042*	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.917			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	13/90 (14%)	13/89 (15%)	18/90 (20%)	16/90 (18%)
POLY-3 RATE (b)	13/81.29	13/81.17	18/87.01	16/84.16
POLY-3 PERCENT (g)	16%	16%	20.7%	19%
TERMINAL (d)	9/66 (14%)	10/63 (16%)	16/80 (20%)	14/72 (19%)
FIRST INCIDENCE	488	663	604	658
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	60/400 (15%)			
STATISTICAL TESTS				
POLY 3	P=0.297	P=0.583	P=0.279	P=0.380
POLY 1.5	P=0.286	P=0.579N	P=0.262	P=0.374
POLY 6	P=0.311	P=0.565	P=0.297	P=0.385
COCH-ARM / FISHERS	P=0.256	P=0.572	P=0.215	P=0.343
MAX-ISO-POLY-3	P=0.424	P=0.498	P=0.224	P=0.308
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.343	P=1.000	P=0.183	P=0.330
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.878			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	13/90 (14%)	12/89 (13%)	16/90 (18%)	18/90 (20%)
POLY-3 RATE (b)	13/80.76	12/81.66	16/86.40	18/84.83
POLY-3 PERCENT (g)	16.1%	14.7%	18.5%	21.2%
TERMINAL (d)	12/66 (18%)	8/63 (13%)	16/80 (20%)	14/72 (19%)
FIRST INCIDENCE	568	594	729 (T)	614
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	44/400 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.165	P=0.488N	P=0.418	P=0.259
POLY 1.5	P=0.155	P=0.487N	P=0.398	P=0.248
POLY 6	P=0.180	P=0.498N	P=0.436	P=0.272
COCH-ARM / FISHERS	P=0.132	P=0.512N	P=0.343	P=0.215
MAX-ISO-POLY-3	P=0.267	P=0.401N	P=0.344	P=0.205
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.011*	P=0.292	P=0.050*	P=0.015*
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.355			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	23/90 (26%)	24/89 (27%)	32/90 (36%)	34/90 (38%)
POLY-3 RATE (b)	23/81.82	24/82.13	32/87.01	34/85.31
POLY-3 PERCENT (g)	28.1%	29.2%	36.8%	39.9%
TERMINAL (d)	18/66 (27%)	17/63 (27%)	30/80 (38%)	28/72 (39%)
FIRST INCIDENCE	488	594	604	614
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	100/400 (25%)			
STATISTICAL TESTS				
POLY 3	P=0.040*	P=0.506	P=0.149	P=0.074
POLY 1.5	P=0.036*	P=0.512	P=0.135	P=0.069
POLY 6	P=0.047*	P=0.488	P=0.163	P=0.080
COCH-ARM / FISHERS	P=0.027*	P=0.482	P=0.098	P=0.054
MAX-ISO-POLY-3	P=0.063	P=0.436	P=0.121	P=0.056
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.003**	P=0.384	P=0.012*	P=0.004**
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.921			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Mediastinum				
Hibernoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/89 (0%)	2/90 (2%)	0/90 (0%)
POLY-3 RATE (b)	0/80.23	0/80.70	2/86.40	0/83.68
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	2/80 (3%)	0/72 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.613	(e)	P=0.255	(e)
POLY 1.5	P=0.608	(e)	P=0.251	(e)
POLY 6	P=0.618	(e)	P=0.260	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.249	(e)
MAX-ISO-POLY-3	P=0.277	(e)	P=0.093	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.105	(e)	P=0.004**	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	0/85 (0%)	0/87 (0%)	0/85 (0%)
POLY-3 RATE (b)	0/77.74	0/77.48	0/83.79	0/78.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/64 (0%)	0/61 (0%)	0/79 (0%)	0/68 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/395 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	0/85 (0%)	0/87 (0%)	0/85 (0%)
POLY-3 RATE (b)	0/77.74	0/77.48	0/83.79	0/78.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/64 (0%)	0/61 (0%)	0/79 (0%)	0/68 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/395 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
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 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	0/85 (0%)	0/87 (0%)	0/85 (0%)
POLY-3 RATE (b)	0/77.74	0/77.48	0/83.79	0/78.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/64 (0%)	0/61 (0%)	0/79 (0%)	0/68 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/395 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/89 (1%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	0/80.23	1/81.33	0/86.40	1/84.38
POLY-3 PERCENT (g)	0%	1.2%	0%	1.2%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	523	---	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
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 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	0/80.23	0/80.70	0/86.40	1/84.38
POLY-3 PERCENT (g)	0%	0%	0%	1.2%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
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 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/89 (1%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	0/80.23	1/81.33	0/86.40	1/84.38
POLY-3 PERCENT (g)	0%	1.2%	0%	1.2%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	523	---	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	0/89 (0%)	2/90 (2%)	0/90 (0%)
POLY-3 RATE (b)	1/80.34	0/80.70	2/86.40	0/83.68
POLY-3 PERCENT (g)	1.2%	0%	2.3%	0%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	2/80 (3%)	0/72 (0%)
FIRST INCIDENCE	702	---	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.449N	P=0.499N	P=0.525	P=0.492N
POLY 1.5	P=0.453N	P=0.498N	P=0.518	P=0.493N
POLY 6	P=0.445N	P=0.502N	P=0.531	P=0.491N
COCH-ARM / FISHERS	P=0.460N	P=0.503N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.334N	P=0.159N	P=0.309	P=0.159N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.470	P=1.000	P=0.141	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.530			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	0/89 (0%)	5/90 (6%)	3/90 (3%)
POLY-3 RATE (b)	1/80.44	0/80.70	5/86.68	3/83.68
POLY-3 PERCENT (g)	1.2%	0%	5.8%	3.6%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	4/80 (5%)	3/72 (4%)
FIRST INCIDENCE	674	---	654	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.127	P=0.499N	P=0.124	P=0.321
POLY 1.5	P=0.123	P=0.498N	P=0.119	P=0.318
POLY 6	P=0.131	P=0.503N	P=0.129	P=0.323
COCH-ARM / FISHERS	P=0.116	P=0.503N	P=0.105	P=0.310
MAX-ISO-POLY-3	P=0.090	P=0.159N	P=0.064	P=0.171
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.004**	(e)	P<0.001**	P<0.001**
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.020*			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/89 (1%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/80.23	1/81.33	0/86.40	0/83.68
POLY-3 PERCENT (g)	0%	1.2%	0%	0%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	523	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/87 (0%)	4/88 (5%)	1/89 (1%)	1/88 (1%)
POLY-3 RATE (b)	0/79.50	4/80.79	1/85.68	1/82.47
POLY-3 PERCENT (g)	0%	5%	1.2%	1.2%
TERMINAL (d)	0/66 (0%)	3/63 (5%)	1/80 (1%)	0/72 (0%)
FIRST INCIDENCE	---	672	729 (T)	681
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	7/396 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.538N	P=0.065	P=0.515	P=0.507
POLY 1.5	P=0.542N	P=0.066	P=0.512	P=0.506
POLY 6	P=0.535N	P=0.063	P=0.518	P=0.509
COCH-ARM / FISHERS	P=0.552N	P=0.062	P=0.506	P=0.503
MAX-ISO-POLY-3	P=0.209	P=0.022*	P=0.176	P=0.167
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.649	P=0.047*	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.175			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Stomach, Forestomach Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/89 (1%)	2/90 (2%)	0/90 (0%)
POLY-3 RATE (b)	0/80.23	1/80.70	2/86.40	0/83.68
POLY-3 PERCENT (g)	0%	1.2%	2.3%	0%
TERMINAL (d)	0/66 (0%)	1/63 (2%)	2/80 (3%)	0/72 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	10/400 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.598N	P=0.501	P=0.255	(e)
POLY 1.5	P=0.602N	P=0.502	P=0.251	(e)
POLY 6	P=0.595N	P=0.498	P=0.260	(e)
COCH-ARM / FISHERS	P=0.615N	P=0.497	P=0.249	(e)
MAX-ISO-POLY-3	P=0.344N	P=0.161	P=0.093	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.173			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Testis				
Adenoma				
TUMOR RATES				
OVERALL (a)	2/90 (2%)	0/88 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	2/80.23	0/79.71	0/86.40	0/83.68
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	2/66 (3%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/0 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.115N	P=0.240N	P=0.222N	P=0.229N
POLY 1.5	P=0.115N	P=0.239N	P=0.227N	P=0.231N
POLY 6	P=0.113N	P=0.243N	P=0.218N	P=0.228N
COCH-ARM / FISHERS	P=0.115N	P=0.254N	P=0.249N	P=0.249N
MAX-ISO-POLY-3	P=0.034N*	P=0.078N	P=0.077N	P=0.077N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	(e)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Urinary Bladder Hemangioma				
TUMOR RATES				
OVERALL (a)	0/87 (0%)	2/88 (2%)	0/90 (0%)	0/89 (0%)
POLY-3 RATE (b)	0/78.50	2/80.21	0/86.40	0/82.89
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/66 (0%)	2/63 (3%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/399 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.390N	P=0.243	(e)	(e)
POLY 1.5	P=0.391N	P=0.245	(e)	(e)
POLY 6	P=0.391N	P=0.239	(e)	(e)
COCH-ARM / FISHERS	P=0.400N	P=0.251	(e)	(e)
MAX-ISO-POLY-3	P=0.254N	P=0.081	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.269	P=0.004**	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=1.000			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Urinary Bladder Papilloma				
TUMOR RATES				
OVERALL (a)	0/87 (0%)	0/88 (0%)	0/90 (0%)	2/89 (2%)
POLY-3 RATE (b)	0/78.50	0/80.21	0/86.40	2/82.89
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	2/72 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/399 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.049*	(e)	(e)	P=0.251
POLY 1.5	P=0.048*	(e)	(e)	P=0.249
POLY 6	P=0.049*	(e)	(e)	P=0.251
COCH-ARM / FISHERS	P=0.048*	(e)	(e)	P=0.254
MAX-ISO-POLY-3	P=0.042*	(e)	(e)	P=0.088
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.002**	(e)	(e)	P=0.004**
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	4/89 (4%)	1/90 (1%)	1/90 (1%)
POLY-3 RATE (b)	1/80.23	4/80.70	1/86.40	1/83.68
POLY-3 PERCENT (g)	1.3%	5%	1.2%	1.2%
TERMINAL (d)	1/66 (2%)	4/63 (6%)	1/80 (1%)	1/72 (1%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.351N	P=0.183	P=0.744N	P=0.751N
POLY 1.5	P=0.356N	P=0.185	P=0.748N	P=0.753N
POLY 6	P=0.348N	P=0.179	P=0.739N	P=0.750N
COCH-ARM / FISHERS	P=0.372N	P=0.180	P=0.751N	P=0.751N
MAX-ISO-POLY-3	P=0.326N	P=0.089	P=0.479N	P=0.487N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.489	P=0.032*	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.915			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	6/89 (7%)	6/90 (7%)	2/90 (2%)
POLY-3 RATE (b)	2/80.35	6/81.15	6/86.40	2/83.87
POLY-3 PERCENT (g)	2.5%	7.4%	6.9%	2.4%
TERMINAL (d)	0/66 (0%)	4/63 (6%)	6/80 (8%)	1/72 (1%)
FIRST INCIDENCE	702	667	729 (T)	681
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	13/400 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.394N	P=0.141	P=0.163	P=0.677N
POLY 1.5	P=0.402N	P=0.142	P=0.156	P=0.681N
POLY 6	P=0.387N	P=0.137	P=0.169	P=0.675N
COCH-ARM / FISHERS	P=0.429N	P=0.135	P=0.139	P=0.690N
MAX-ISO-POLY-3	P=0.276N	P=0.076	P=0.097	P=0.482N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.413	P=0.082	P=0.101	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.622			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	10/89 (11%)	7/90 (8%)	3/90 (3%)
POLY-3 RATE (b)	3/80.35	10/81.15	7/86.40	3/83.87
POLY-3 PERCENT (g)	3.7%	12.3%	8.1%	3.6%
TERMINAL (d)	1/66 (2%)	8/63 (13%)	7/80 (9%)	2/72 (3%)
FIRST INCIDENCE	702	667	729 (T)	681
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	18/400 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.277N	P=0.042*	P=0.195	P=0.641N
POLY 1.5	P=0.285N	P=0.042*	P=0.187	P=0.645N
POLY 6	P=0.269N	P=0.040*	P=0.203	P=0.638N
COCH-ARM / FISHERS	P=0.316N	P=0.039*	P=0.165	P=0.659N
MAX-ISO-POLY-3	P=0.216N	P=0.023*	P=0.127	P=0.478N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.398	P=0.024*	P=0.193	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.651			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/89 (0%)	1/90 (1%)	2/90 (2%)
POLY-3 RATE (b)	0/80.23	0/80.70	1/86.40	2/83.89
POLY-3 PERCENT (g)	0%	0%	1.2%	2.4%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	1/80 (1%)	1/72 (1%)
FIRST INCIDENCE	---	---	729 (T)	674
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.076	(e)	P=0.515	P=0.248
POLY 1.5	P=0.075	(e)	P=0.511	P=0.246
POLY 6	P=0.078	(e)	P=0.519	P=0.250
COCH-ARM / FISHERS	P=0.071	(e)	P=0.500	P=0.249
MAX-ISO-POLY-3	P=0.091	(e)	P=0.177	P=0.087
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.076	(e)	P=1.000	P=0.148
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.366			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/90 (7%)	4/89 (4%)	3/90 (3%)	4/90 (4%)
POLY-3 RATE (b)	6/81.94	4/81.61	3/86.40	4/83.83
POLY-3 PERCENT (g)	7.3%	4.9%	3.5%	4.8%
TERMINAL (d)	4/66 (6%)	1/63 (2%)	3/80 (4%)	3/72 (4%)
FIRST INCIDENCE	263	609	729 (T)	690
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	37/400 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.307N	P=0.375N	P=0.222N	P=0.359N
POLY 1.5	P=0.311N	P=0.372N	P=0.229N	P=0.361N
POLY 6	P=0.302N	P=0.381N	P=0.215N	P=0.356N
COCH-ARM / FISHERS	P=0.320N	P=0.380N	P=0.248N	P=0.373N
MAX-ISO-POLY-3	P=0.288N	P=0.260N	P=0.140N	P=0.249N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.380			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/80.23	0/80.70	0/86.40	0/83.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Osteosarcoma or Osteoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/89 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/80.23	0/80.70	0/86.40	0/83.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/66 (0%)	0/63 (0%)	0/80 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	61/90 (68%)	67/89 (75%)	77/90 (86%)	61/90 (68%)
POLY-3 RATE (b)	61/84.21	67/82.94	77/88.11	61/85.39
POLY-3 PERCENT (g)	72.4%	80.8%	87.4%	71.4%
TERMINAL (d)	51/66 (77%)	56/63 (89%)	71/80 (89%)	53/72 (74%)
FIRST INCIDENCE	393	533	604	614
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	273/400 (68%)			
STATISTICAL TESTS				
POLY 3	P=0.386N	P=0.126	P=0.009**	P=0.510N
POLY 1.5	P=0.410N	P=0.166	P=0.007**	P=0.509N
POLY 6	P=0.342N	P=0.075	P=0.011*	P=0.508N
COCH-ARM / FISHERS	P=0.498N	P=0.172	P=0.004**	P=0.563N
MAX-ISO-POLY-3	P=0.115N	P=0.091	P=0.006**	P=0.440N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.370	P=0.146	P=0.029*	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.988			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	49/90 (54%)	47/89 (53%)	53/90 (59%)	45/90 (50%)
POLY-3 RATE (b)	49/85.04	47/86.81	53/88.57	45/86.87
POLY-3 PERCENT (g)	57.6%	54.1%	59.8%	51.8%
TERMINAL (d)	33/66 (50%)	27/63 (43%)	46/80 (58%)	34/72 (47%)
FIRST INCIDENCE	263	523	604	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	211/400 (53%)			
STATISTICAL TESTS				
POLY 3	P=0.291N	P=0.379N	P=0.443	P=0.269N
POLY 1.5	P=0.296N	P=0.396N	P=0.417	P=0.276N
POLY 6	P=0.290N	P=0.373N	P=0.462	P=0.268N
COCH-ARM / FISHERS	P=0.336N	P=0.472N	P=0.326	P=0.327N
MAX-ISO-POLY-3	P=0.363N	P=0.324N	P=0.384	P=0.224N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.639	P=1.000	P=0.124	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.598			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	79/90 (88%)	82/89 (92%)	82/90 (91%)	77/90 (86%)
POLY-3 RATE (b)	79/87.59	82/87.50	82/88.75	77/87.76
POLY-3 PERCENT (g)	90.2%	93.7%	92.4%	87.7%
TERMINAL (d)	59/66 (89%)	59/63 (94%)	74/80 (93%)	62/72 (86%)
FIRST INCIDENCE	263	523	604	488
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	350/400 (88%)			
STATISTICAL TESTS				
POLY 3	P=0.231N	P=0.275	P=0.398	P=0.389N
POLY 1.5	P=0.219N	P=0.286	P=0.402	P=0.371N
POLY 6	P=0.230N	P=0.262	P=0.395	P=0.394N
COCH-ARM / FISHERS	P=0.258N	P=0.236	P=0.314	P=0.413N
MAX-ISO-POLY-3	P=0.243N	P=0.189	P=0.298	P=0.299N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.511	P=0.149	P=0.226	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.705			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/84 (1%)	0/88 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	1/73.96	0/81.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	1.4%	0%	0%	0%
TERMINAL (d)	1/62 (2%)	0/70 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	739 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/398 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	2/83 (2%)	0/84 (0%)	0/86 (0%)	0/87 (0%)
POLY-3 RATE (b)	2/72.96	0/77.43	0/79.15	0/80.27
POLY-3 PERCENT (g)	2.7%	0%	0%	0%
TERMINAL (d)	2/61 (3%)	0/67 (0%)	0/65 (0%)	0/69 (0%)
FIRST INCIDENCE	739 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/397 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.114N	P=0.225N	P=0.221N	P=0.218N
POLY 1.5	P=0.112N	P=0.230N	P=0.226N	P=0.223N
POLY 6	P=0.118N	P=0.219N	P=0.215N	P=0.211N
COCH-ARM / FISHERS	P=0.111N	P=0.246N	P=0.240N	P=0.237N
MAX-ISO-POLY-3	P=0.031N*	P=0.076N	P=0.075N	P=0.074N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	2/83 (2%)	0/84 (0%)	1/86 (1%)	0/87 (0%)
POLY-3 RATE (b)	2/72.96	0/77.43	1/79.15	0/80.27
POLY-3 PERCENT (g)	2.7%	0%	1.3%	0%
TERMINAL (d)	2/61 (3%)	0/67 (0%)	1/65 (2%)	0/69 (0%)
FIRST INCIDENCE	739 (T)	---	739 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	6/397 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.182N	P=0.225N	P=0.472N	P=0.218N
POLY 1.5	P=0.182N	P=0.230N	P=0.480N	P=0.223N
POLY 6	P=0.183N	P=0.219N	P=0.462N	P=0.211N
COCH-ARM / FISHERS	P=0.181N	P=0.246N	P=0.487N	P=0.237N
MAX-ISO-POLY-3	P=0.075N	P=0.076N	P=0.264N	P=0.074N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.540			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Bone Marrow Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/90 (0%)	0/89 (0%)	2/89 (2%)	1/90 (1%)
POLY-3 RATE (b)	0/79.90	0/82.34	2/82.52	1/83.27
POLY-3 PERCENT (g)	0%	0%	2.4%	1.2%
TERMINAL (d)	0/67 (0%)	0/71 (0%)	1/68 (2%)	1/72 (1%)
FIRST INCIDENCE	---	---	631	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.258	(e)	P=0.246	P=0.508
POLY 1.5	P=0.252	(e)	P=0.240	P=0.504
POLY 6	P=0.266	(e)	P=0.252	P=0.514
COCH-ARM / FISHERS	P=0.247	(e)	P=0.246	P=0.500
MAX-ISO-POLY-3	P=0.189	(e)	P=0.085	P=0.169
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.074	(e)	P=0.027*	P=0.363
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.498			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/90 (4%)	7/90 (8%)	5/90 (6%)	6/90 (7%)
POLY-3 RATE (b)	4/79.90	7/84.52	5/83.15	6/83.27
POLY-3 PERCENT (g)	5%	8.3%	6%	7.2%
TERMINAL (d)	4/67 (6%)	4/72 (6%)	5/69 (7%)	6/72 (8%)
FIRST INCIDENCE	739 (T)	562	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	24/400 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.436	P=0.299	P=0.524	P=0.398
POLY 1.5	P=0.422	P=0.284	P=0.511	P=0.384
POLY 6	P=0.454	P=0.321	P=0.540	P=0.417
COCH-ARM / FISHERS	P=0.412	P=0.268	P=0.500	P=0.373
MAX-ISO-POLY-3	P=0.469	P=0.208	P=0.390	P=0.284
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.720	P=0.395	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.609			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/90 (1%)	1/90 (1%)	0/90 (0%)
POLY-3 RATE (b)	0/79.90	1/83.54	1/83.15	0/83.27
POLY-3 PERCENT (g)	0%	1.2%	1.2%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	1/69 (1%)	0/72 (0%)
FIRST INCIDENCE	---	687	739 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	12/400 (3%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/90 (4%)	8/90 (9%)	6/90 (7%)	6/90 (7%)
POLY-3 RATE (b)	4/79.90	8/84.71	6/83.15	6/83.27
POLY-3 PERCENT (g)	5%	9.4%	7.2%	7.2%
TERMINAL (d)	4/67 (6%)	4/72 (6%)	6/69 (9%)	6/72 (8%)
FIRST INCIDENCE	739 (T)	562	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	36/400 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.471	P=0.214	P=0.397	P=0.398
POLY 1.5	P=0.455	P=0.200	P=0.384	P=0.384
POLY 6	P=0.491	P=0.234	P=0.413	P=0.417
COCH-ARM / FISHERS	P=0.443	P=0.185	P=0.373	P=0.373
MAX-ISO-POLY-3	P=0.388	P=0.144	P=0.283	P=0.284
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.187			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Intestine Small: Jejunum Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/79.90	0/83.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/79.90	0/83.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Intestine Small: Site Unspecified Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/90 (1%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/79.90	1/83.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	0%	1.2%	0%	0%
TERMINAL (d)	0/67 (0%)	1/72 (1%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	---	739 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	0/87 (0%)	0/88 (0%)	1/90 (1%)	1/86 (1%)
POLY-3 RATE (b)	0/78.53	0/81.52	1/83.15	1/80.90
POLY-3 PERCENT (g)	0%	0%	1.2%	1.2%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	1/69 (1%)	1/72 (1%)
FIRST INCIDENCE	---	---	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/399 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	1/87 (1%)	1/88 (1%)	1/90 (1%)	1/86 (1%)
POLY-3 RATE (b)	1/78.53	1/81.94	1/83.15	1/80.90
POLY-3 PERCENT (g)	1.3%	1.2%	1.2%	1.2%
TERMINAL (d)	1/67 (2%)	0/72 (0%)	1/69 (1%)	1/72 (1%)
FIRST INCIDENCE	739 (T)	617	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/399 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Kidney: Renal Tubule Adenoma				
TUMOR RATES				
OVERALL (a)	2/89 (2%)	0/87 (0%)	0/89 (0%)	0/88 (0%)
POLY-3 RATE (b)	2/79.24	0/80.43	0/83.06	0/82.27
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	2/67 (3%)	0/70 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	739 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/399 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.235N	P=0.228N	P=0.230N
POLY 1.5	P=0.117N	P=0.239N	P=0.233N	P=0.235N
POLY 6	P=0.121N	P=0.230N	P=0.223N	P=0.224N
COCH-ARM / FISHERS	P=0.116N	P=0.254N	P=0.249N	P=0.251N
MAX-ISO-POLY-3	P=0.034N*	P=0.078N	P=0.077N	P=0.078N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.029*			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/89 (0%)	1/90 (1%)	0/90 (0%)	1/89 (1%)
POLY-3 RATE (b)	0/79.49	1/83.34	0/83.15	1/82.89
POLY-3 PERCENT (g)	0%	1.2%	0%	1.2%
TERMINAL (d)	0/67 (0%)	1/72 (1%)	0/69 (0%)	1/72 (1%)
FIRST INCIDENCE	---	739 (T)	---	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	1/89 (1%)	0/90 (0%)	0/90 (0%)	0/89 (0%)
POLY-3 RATE (b)	1/79.49	0/83.34	0/83.15	0/82.89
POLY-3 PERCENT (g)	1.3%	0%	0%	0%
TERMINAL (d)	1/67 (2%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	739 (T)	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	19/89 (21%)	18/90 (20%)	13/90 (14%)	10/89 (11%)
POLY-3 RATE (b)	19/80.60	18/83.70	13/83.63	10/83.04
POLY-3 PERCENT (g)	23.6%	21.5%	15.6%	12%
TERMINAL (d)	17/67 (25%)	17/72 (24%)	11/69 (16%)	9/72 (13%)
FIRST INCIDENCE	511	638	674	700
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	82/400 (21%)			
STATISTICAL TESTS				
POLY 3	P=0.022N*	P=0.448N	P=0.134N	P=0.041N*
POLY 1.5	P=0.025N*	P=0.467N	P=0.147N	P=0.046N*
POLY 6	P=0.019N*	P=0.420N	P=0.120N	P=0.034N*
COCH-ARM / FISHERS	P=0.028N*	P=0.485N	P=0.156N	P=0.052N
MAX-ISO-POLY-3	P=0.033N*	P=0.376N	P=0.099N	P=0.027N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.883			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	8/89 (9%)	6/90 (7%)	6/90 (7%)	6/89 (7%)
POLY-3 RATE (b)	8/79.79	6/83.75	6/83.29	6/82.98
POLY-3 PERCENT (g)	10%	7.2%	7.2%	7.2%
TERMINAL (d)	7/67 (10%)	4/72 (6%)	5/69 (7%)	4/72 (6%)
FIRST INCIDENCE	656	650	701	720
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	46/400 (12%)			
STATISTICAL TESTS				
POLY 3	P=0.348N	P=0.354N	P=0.358N	P=0.361N
POLY 1.5	P=0.359N	P=0.368N	P=0.372N	P=0.377N
POLY 6	P=0.336N	P=0.336N	P=0.343N	P=0.341N
COCH-ARM / FISHERS	P=0.367N	P=0.382N	P=0.382N	P=0.391N
MAX-ISO-POLY-3	P=0.415N	P=0.262N	P=0.265N	P=0.267N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.490			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	9/89 (10%)	6/90 (7%)	6/90 (7%)	6/89 (7%)
POLY-3 RATE (b)	9/79.79	6/83.75	6/83.29	6/82.98
POLY-3 PERCENT (g)	11.3%	7.2%	7.2%	7.2%
TERMINAL (d)	8/67 (12%)	4/72 (6%)	5/69 (7%)	4/72 (6%)
FIRST INCIDENCE	656	650	701	720
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	47/400 (12%)			
STATISTICAL TESTS				
POLY 3	P=0.268N	P=0.261N	P=0.265N	P=0.267N
POLY 1.5	P=0.277N	P=0.274N	P=0.277N	P=0.282N
POLY 6	P=0.257N	P=0.244N	P=0.251N	P=0.249N
COCH-ARM / FISHERS	P=0.284N	P=0.288N	P=0.288N	P=0.295N
MAX-ISO-POLY-3	P=0.286N	P=0.187N	P=0.189N	P=0.191N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.659			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	25/89 (28%)	24/90 (27%)	17/90 (19%)	15/89 (17%)
POLY-3 RATE (b)	25/80.90	24/84.10	17/83.77	15/83.13
POLY-3 PERCENT (g)	30.9%	28.5%	20.3%	18%
TERMINAL (d)	22/67 (33%)	21/72 (29%)	14/69 (20%)	12/72 (17%)
FIRST INCIDENCE	511	638	674	700
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	115/400 (29%)			
STATISTICAL TESTS				
POLY 3	P=0.020N*	P=0.436N	P=0.082N	P=0.040N*
POLY 1.5	P=0.023N*	P=0.459N	P=0.092N	P=0.046N*
POLY 6	P=0.017N*	P=0.400N	P=0.070N	P=0.032N*
COCH-ARM / FISHERS	P=0.026N*	P=0.482N	P=0.101N	P=0.053N
MAX-ISO-POLY-3	P=0.030N*	P=0.370N	P=0.060N	P=0.028N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.869			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	25/89 (28%)	24/90 (27%)	17/90 (19%)	15/89 (17%)
POLY-3 RATE (b)	25/80.90	24/84.10	17/83.77	15/83.13
POLY-3 PERCENT (g)	30.9%	28.5%	20.3%	18%
TERMINAL (d)	22/67 (33%)	21/72 (29%)	14/69 (20%)	12/72 (17%)
FIRST INCIDENCE	511	638	674	700
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	116/400 (29%)			
STATISTICAL TESTS				
POLY 3	P=0.020N*	P=0.436N	P=0.082N	P=0.040N*
POLY 1.5	P=0.023N*	P=0.459N	P=0.092N	P=0.046N*
POLY 6	P=0.017N*	P=0.400N	P=0.070N	P=0.032N*
COCH-ARM / FISHERS	P=0.026N*	P=0.482N	P=0.101N	P=0.053N
MAX-ISO-POLY-3	P=0.030N*	P=0.370N	P=0.060N	P=0.028N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.835			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Liver				
Hepatocholangiocarcinoma				
TUMOR RATES				
OVERALL (a)	0/89 (0%)	0/90 (0%)	1/90 (1%)	0/89 (0%)
POLY-3 RATE (b)	0/79.49	0/83.34	1/83.15	0/82.89
POLY-3 PERCENT (g)	0%	0%	1.2%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	1/69 (1%)	0/72 (0%)
FIRST INCIDENCE	---	---	739 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	6/90 (7%)	7/90 (8%)	1/90 (1%)
POLY-3 RATE (b)	3/79.90	6/83.34	7/83.15	1/83.27
POLY-3 PERCENT (g)	3.8%	7.2%	8.4%	1.2%
TERMINAL (d)	3/67 (5%)	6/72 (8%)	7/69 (10%)	1/72 (1%)
FIRST INCIDENCE	739 (T)	739 (T)	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	25/400 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.190N	P=0.268	P=0.180	P=0.292N
POLY 1.5	P=0.202N	P=0.258	P=0.172	P=0.300N
POLY 6	P=0.175N	P=0.282	P=0.191	P=0.282N
COCH-ARM / FISHERS	P=0.212N	P=0.248	P=0.165	P=0.310N
MAX-ISO-POLY-3	P=0.106N	P=0.173	P=0.111	P=0.151N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=1.000	P=1.000	P=0.385	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.291			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	3/90 (3%)	1/90 (1%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	3/80.35	1/83.34	0/83.15	1/83.27
POLY-3 PERCENT (g)	3.7%	1.2%	0%	1.2%
TERMINAL (d)	2/67 (3%)	1/72 (1%)	0/69 (0%)	1/72 (1%)
FIRST INCIDENCE	607	739 (T)	---	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	16/400 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.201N	P=0.294N	P=0.115N	P=0.294N
POLY 1.5	P=0.201N	P=0.300N	P=0.119N	P=0.301N
POLY 6	P=0.201N	P=0.286N	P=0.111N	P=0.285N
COCH-ARM / FISHERS	P=0.201N	P=0.310N	P=0.123N	P=0.310N
MAX-ISO-POLY-3	P=0.084N	P=0.151N	P=0.039N*	P=0.151N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.781			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	6/90 (7%)	6/90 (7%)	7/90 (8%)	2/90 (2%)
POLY-3 RATE (b)	6/80.35	6/83.34	7/83.15	2/83.27
POLY-3 PERCENT (g)	7.5%	7.2%	8.4%	2.4%
TERMINAL (d)	5/67 (8%)	6/72 (8%)	7/69 (10%)	2/72 (3%)
FIRST INCIDENCE	607	739 (T)	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	40/400 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.108N	P=0.592N	P=0.526	P=0.127N
POLY 1.5	P=0.115N	P=0.604N	P=0.511	P=0.133N
POLY 6	P=0.100N	P=0.576N	P=0.541	P=0.119N
COCH-ARM / FISHERS	P=0.119N	P=0.617N	P=0.500	P=0.139N
MAX-ISO-POLY-3	P=0.138N	P=0.473N	P=0.411	P=0.070N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.339			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Mediastinum				
Hibernoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	0/79.90	0/83.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Ovary				
Cystadenoma				
TUMOR RATES				
OVERALL (a)	2/75 (3%)	2/86 (2%)	3/82 (4%)	6/80 (8%)
POLY-3 RATE (b)	2/66.00	2/79.76	3/76.06	6/75.66
POLY-3 PERCENT (g)	3%	2.5%	3.9%	7.9%
TERMINAL (d)	2/56 (4%)	2/69 (3%)	3/65 (5%)	6/67 (9%)
FIRST INCIDENCE	739 (T)	739 (T)	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	13/397 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.067	P=0.623N	P=0.564	P=0.186
POLY 1.5	P=0.064	P=0.632N	P=0.551	P=0.175
POLY 6	P=0.071	P=0.611N	P=0.579	P=0.200
COCH-ARM / FISHERS	P=0.059	P=0.637N	P=0.542	P=0.160
MAX-ISO-POLY-3	P=0.105	P=0.427N	P=0.388	P=0.115
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.030*	P=1.000	P=1.000	P=0.018*
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.787			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Ovary Hemangioma				
TUMOR RATES				
OVERALL (a)	2/75 (3%)	2/86 (2%)	0/82 (0%)	0/80 (0%)
POLY-3 RATE (b)	2/66.00	2/79.76	0/76.06	0/75.66
POLY-3 PERCENT (g)	3%	2.5%	0%	0%
TERMINAL (d)	2/56 (4%)	2/69 (3%)	0/65 (0%)	0/67 (0%)
FIRST INCIDENCE	739 (T)	739 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/397 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.077N	P=0.623N	P=0.208N	P=0.209N
POLY 1.5	P=0.079N	P=0.632N	P=0.213N	P=0.215N
POLY 6	P=0.075N	P=0.611N	P=0.201N	P=0.202N
COCH-ARM / FISHERS	P=0.081N	P=0.637N	P=0.227N	P=0.233N
MAX-ISO-POLY-3	P=0.109N	P=0.427N	P=0.072N	P=0.073N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.254	P=0.004**	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Ovary				
Teratoma Benign				
TUMOR RATES				
OVERALL (a)	0/75 (0%)	0/86 (0%)	2/82 (2%)	1/80 (1%)
POLY-3 RATE (b)	0/66.00	0/79.76	2/76.06	1/75.66
POLY-3 PERCENT (g)	0%	0%	2.6%	1.3%
TERMINAL (d)	0/56 (0%)	0/69 (0%)	2/65 (3%)	1/67 (2%)
FIRST INCIDENCE	---	---	739 (T)	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/397 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.270	(e)	P=0.270	P=0.527
POLY 1.5	P=0.261	(e)	P=0.264	P=0.521
POLY 6	P=0.279	(e)	P=0.278	P=0.534
COCH-ARM / FISHERS	P=0.249	(e)	P=0.271	P=0.516
MAX-ISO-POLY-3	P=0.214	(e)	P=0.103	P=0.188
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.022*	(e)	P=0.004**	P=0.066
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	6/80 (8%)	5/80 (6%)	7/84 (8%)	5/84 (6%)
POLY-3 RATE (b)	6/71.13	5/73.72	7/77.43	5/78.28
POLY-3 PERCENT (g)	8.4%	6.8%	9%	6.4%
TERMINAL (d)	5/60 (8%)	5/65 (8%)	4/64 (6%)	5/68 (7%)
FIRST INCIDENCE	703	739 (T)	712	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	34/396 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.417N	P=0.475N	P=0.563	P=0.435N
POLY 1.5	P=0.429N	P=0.487N	P=0.548	P=0.449N
POLY 6	P=0.403N	P=0.458N	P=0.581	P=0.417N
COCH-ARM / FISHERS	P=0.445N	P=0.500N	P=0.537	P=0.466N
MAX-ISO-POLY-3	P=0.519N	P=0.355N	P=0.449	P=0.322N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.782			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma				
TUMOR RATES				
OVERALL (a)	0/80 (0%)	0/80 (0%)	2/84 (2%)	1/84 (1%)
POLY-3 RATE (b)	0/70.99	0/73.72	2/77.92	1/78.52
POLY-3 PERCENT (g)	0%	0%	2.6%	1.3%
TERMINAL (d)	0/60 (0%)	0/65 (0%)	0/64 (0%)	0/68 (0%)
FIRST INCIDENCE	---	---	606	676
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/396 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.274	(e)	P=0.259	P=0.520
POLY 1.5	P=0.267	(e)	P=0.254	P=0.515
POLY 6	P=0.282	(e)	P=0.266	P=0.526
COCH-ARM / FISHERS	P=0.258	(e)	P=0.261	P=0.512
MAX-ISO-POLY-3	P=0.207	(e)	P=0.095	P=0.180
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.420	(e)	P=0.260	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.529			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	6/80 (8%)	5/80 (6%)	9/84 (11%)	6/84 (7%)
POLY-3 RATE (b)	6/71.13	5/73.72	9/78.14	6/78.52
POLY-3 PERCENT (g)	8.4%	6.8%	11.5%	7.6%
TERMINAL (d)	5/60 (8%)	5/65 (8%)	4/64 (6%)	5/68 (7%)
FIRST INCIDENCE	703	739 (T)	606	676
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	37/396 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.553	P=0.475N	P=0.362	P=0.549N
POLY 1.5	P=0.537	P=0.487N	P=0.344	P=0.564N
POLY 6	P=0.541N	P=0.458N	P=0.385	P=0.528N
COCH-ARM / FISHERS	P=0.516	P=0.500N	P=0.330	P=0.583N
MAX-ISO-POLY-3	P=0.538	P=0.355N	P=0.273	P=0.430N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=1.000	P=1.000	P=0.473	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.662			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/90 (7%)	0/90 (0%)	4/90 (4%)	1/90 (1%)
POLY-3 RATE (b)	6/80.87	0/83.34	4/83.80	1/83.71
POLY-3 PERCENT (g)	7.4%	0%	4.8%	1.2%
TERMINAL (d)	2/67 (3%)	0/72 (0%)	1/69 (1%)	0/72 (0%)
FIRST INCIDENCE	607	---	646	607
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.094N	P=0.016N*	P=0.351N	P=0.055N
POLY 1.5	P=0.096N	P=0.017N*	P=0.363N	P=0.058N
POLY 6	P=0.092N	P=0.015N*	P=0.338N	P=0.051N
COCH-ARM / FISHERS	P=0.098N	P=0.014N*	P=0.373N	P=0.059N
MAX-ISO-POLY-3	P=0.021N*	P=0.006N**	P=0.244N	P=0.025N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.232	P=1.000	P=0.020*	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.002**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	3/90 (3%)	0/90 (0%)
POLY-3 RATE (b)	3/80.10	0/83.34	3/83.74	0/83.27
POLY-3 PERCENT (g)	3.8%	0%	3.6%	0%
TERMINAL (d)	1/67 (2%)	0/72 (0%)	1/69 (1%)	0/72 (0%)
FIRST INCIDENCE	703	---	646	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.161N	P=0.114N	P=0.640N	P=0.114N
POLY 1.5	P=0.163N	P=0.117N	P=0.651N	P=0.118N
POLY 6	P=0.159N	P=0.110N	P=0.627N	P=0.110N
COCH-ARM / FISHERS	P=0.165N	P=0.123N	P=0.659N	P=0.123N
MAX-ISO-POLY-3	P=0.061N	P=0.039N*	P=0.477N	P=0.039N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.332	P=1.000	P=0.019*	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.038*			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/90 (6%)	0/90 (0%)	4/90 (4%)	1/90 (1%)
POLY-3 RATE (b)	5/80.87	0/83.34	4/83.80	1/83.71
POLY-3 PERCENT (g)	6.2%	0%	4.8%	1.2%
TERMINAL (d)	1/67 (2%)	0/72 (0%)	1/69 (1%)	0/72 (0%)
FIRST INCIDENCE	607	---	646	607
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.159N	P=0.031N*	P=0.478N	P=0.098N
POLY 1.5	P=0.162N	P=0.032N*	P=0.490N	P=0.102N
POLY 6	P=0.156N	P=0.029N*	P=0.465N	P=0.092N
COCH-ARM / FISHERS	P=0.165N	P=0.030N*	P=0.500N	P=0.105N
MAX-ISO-POLY-3	P=0.050N*	P=0.011N*	P=0.348N	P=0.046N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.232	P=1.000	P=0.020*	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.008**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	2/80.04	0/83.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	1/67 (2%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	703	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	4/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.229N	P=0.230N	P=0.230N
POLY 1.5	P=0.116N	P=0.234N	P=0.235N	P=0.234N
POLY 6	P=0.121N	P=0.224N	P=0.225N	P=0.224N
COCH-ARM / FISHERS	P=0.115N	P=0.249N	P=0.249N	P=0.249N
MAX-ISO-POLY-3	P=0.033N*	P=0.077N	P=0.077N	P=0.077N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.345			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Malignant Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	1/90 (1%)	3/90 (3%)	0/90 (0%)
POLY-3 RATE (b)	0/79.90	1/83.90	3/83.19	0/83.27
POLY-3 PERCENT (g)	0%	1.2%	3.6%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	2/69 (3%)	0/72 (0%)
FIRST INCIDENCE	---	562	728	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.618N	P=0.510	P=0.128	(e)
POLY 1.5	P=0.627N	P=0.505	P=0.125	(e)
POLY 6	P=0.606N	P=0.516	P=0.133	(e)
COCH-ARM / FISHERS	P=0.633	P=0.500	P=0.123	(e)
MAX-ISO-POLY-3	P=0.245	P=0.171	P=0.046*	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.107	P=0.072	P<0.001**	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	0/90 (0%)	1/90 (1%)	1/90 (1%)
POLY-3 RATE (b)	2/80.67	0/83.34	1/83.21	1/83.71
POLY-3 PERCENT (g)	2.5%	0%	1.2%	1.2%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	607	---	723	607
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/400 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.500N	P=0.231N	P=0.489N	P=0.487N
POLY 1.5	P=0.500N	P=0.235N	P=0.495N	P=0.494N
POLY 6	P=0.499N	P=0.227N	P=0.483N	P=0.478N
COCH-ARM / FISHERS	P=0.500N	P=0.249N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.271N	P=0.077N	P=0.275N	P=0.274N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.131	P=1.000	P=0.360	P=0.361
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.030*			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	2/87 (2%)	2/89 (2%)	0/87 (0%)
POLY-3 RATE (b)	0/78.11	2/80.75	2/82.52	0/82.74
POLY-3 PERCENT (g)	0%	2.5%	2.4%	0%
TERMINAL (d)	0/67 (0%)	2/72 (3%)	1/68 (2%)	0/72 (0%)
FIRST INCIDENCE	---	739 (T)	631	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.475N	P=0.246	P=0.251	(e)
POLY 1.5	P=0.484N	P=0.243	P=0.248	(e)
POLY 6	P=0.465N	P=0.250	P=0.254	(e)
COCH-ARM / FISHERS	P=0.496N	P=0.251	P=0.257	(e)
MAX-ISO-POLY-3	P=0.285N	P=0.083	P=0.087	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.400	P=0.131	P=0.139	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.336			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Stomach, Forestomach Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/90 (1%)	0/90 (0%)	0/90 (0%)	0/90 (0%)
POLY-3 RATE (b)	1/80.46	0/83.34	0/83.15	0/83.27
POLY-3 PERCENT (g)	1.2%	0%	0%	0%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	0/72 (0%)
FIRST INCIDENCE	562	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	4/400 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Urinary Bladder Hemangioma				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	0/87 (0%)	0/86 (0%)	0/86 (0%)
POLY-3 RATE (b)	0/76.92	0/80.52	0/79.15	0/80.53
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/67 (0%)	0/71 (0%)	0/65 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/399 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Urinary Bladder Papilloma				
TUMOR RATES				
OVERALL (a)	0/86 (0%)	0/87 (0%)	0/86 (0%)	0/86 (0%)
POLY-3 RATE (b)	0/76.92	0/80.52	0/79.15	0/80.53
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/67 (0%)	0/71 (0%)	0/65 (0%)	0/72 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/399 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/90 (0%)	3/90 (3%)	2/90 (2%)	2/90 (2%)
POLY-3 RATE (b)	0/79.90	3/83.34	2/83.15	2/84.12
POLY-3 PERCENT (g)	0%	3.6%	2.4%	2.4%
TERMINAL (d)	0/67 (0%)	3/72 (4%)	2/69 (3%)	1/72 (1%)
FIRST INCIDENCE	---	739 (T)	739 (T)	390
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	7/400 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.352	P=0.129	P=0.247	P=0.250
POLY 1.5	P=0.339	P=0.125	P=0.242	P=0.244
POLY 6	P=0.369	P=0.134	P=0.253	P=0.257
COCH-ARM / FISHERS	P=0.326	P=0.123	P=0.249	P=0.249
MAX-ISO-POLY-3	P=0.182	P=0.046*	P=0.086	P=0.088
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.588	P=0.315	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.277			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/90 (4%)	2/90 (2%)	1/90 (1%)	1/90 (1%)
POLY-3 RATE (b)	4/79.90	2/83.34	1/83.28	1/83.27
POLY-3 PERCENT (g)	5%	2.4%	1.2%	1.2%
TERMINAL (d)	4/67 (6%)	2/72 (3%)	0/69 (0%)	1/72 (1%)
FIRST INCIDENCE	739 (T)	739 (T)	703	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/400 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.110N	P=0.320N	P=0.170N	P=0.170N
POLY 1.5	P=0.112N	P=0.329N	P=0.176N	P=0.176N
POLY 6	P=0.108N	P=0.308N	P=0.162N	P=0.161N
COCH-ARM / FISHERS	P=0.113N	P=0.341N	P=0.184N	P=0.184N
MAX-ISO-POLY-3	P=0.097N	P=0.194N	P=0.083N	P=0.083N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.352	P=0.145	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.006**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	5/90 (6%)	3/90 (3%)	3/90 (3%)
POLY-3 RATE (b)	2/80.04	5/83.70	3/83.91	3/83.34
POLY-3 PERCENT (g)	2.5%	6%	3.6%	3.6%
TERMINAL (d)	1/67 (2%)	4/72 (6%)	1/69 (1%)	2/72 (3%)
FIRST INCIDENCE	703	638	629	720
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	15/400 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.572N	P=0.238	P=0.521	P=0.518
POLY 1.5	P=0.568	P=0.230	P=0.510	P=0.508
POLY 6	P=0.557N	P=0.251	P=0.534	P=0.531
COCH-ARM / FISHERS	P=0.557	P=0.222	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.440	P=0.141	P=0.347	P=0.344
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.745	P=0.291	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.481			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/90 (7%)	7/90 (8%)	4/90 (4%)	4/90 (4%)
POLY-3 RATE (b)	6/80.04	7/83.70	4/84.05	4/83.34
POLY-3 PERCENT (g)	7.5%	8.4%	4.8%	4.8%
TERMINAL (d)	5/67 (8%)	6/72 (8%)	1/69 (1%)	3/72 (4%)
FIRST INCIDENCE	703	638	629	720
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	18/400 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.218N	P=0.533	P=0.343N	P=0.348N
POLY 1.5	P=0.228N	P=0.518	P=0.358N	P=0.361N
POLY 6	P=0.206N	P=0.555	P=0.324N	P=0.330N
COCH-ARM / FISHERS	P=0.235N	P=0.500	P=0.373N	P=0.373N
MAX-ISO-POLY-3	P=0.340N	P=0.419	P=0.239N	P=0.242N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.561	P=0.079	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.374			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/90 (9%)	2/90 (2%)	8/90 (9%)	5/90 (6%)
POLY-3 RATE (b)	8/82.69	2/84.10	8/84.38	5/84.31
POLY-3 PERCENT (g)	9.7%	2.4%	9.5%	5.9%
TERMINAL (d)	2/67 (3%)	1/72 (1%)	3/69 (4%)	1/72 (1%)
FIRST INCIDENCE	562	458	629	660
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	14/400 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.419N	P=0.048N*	P=0.587N	P=0.270N
POLY 1.5	P=0.427N	P=0.049N*	P=0.598N	P=0.279N
POLY 6	P=0.408N	P=0.046N*	P=0.574N	P=0.258N
COCH-ARM / FISHERS	P=0.428N	P=0.050N*	P=0.603N	P=0.283N
MAX-ISO-POLY-3	P=0.277N	P=0.024N*	P=0.482N	P=0.186N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.118	P=1.000	P=0.012*	P=0.217
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.027*			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/90 (2%)	13/90 (14%)	9/90 (10%)	6/90 (7%)
POLY-3 RATE (b)	2/80.36	13/83.37	9/84.22	6/84.05
POLY-3 PERCENT (g)	2.5%	15.6%	10.7%	7.1%
TERMINAL (d)	1/67 (2%)	12/72 (17%)	5/69 (7%)	3/72 (4%)
FIRST INCIDENCE	604	731	516	590
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	76/400 (19%)			
STATISTICAL TESTS				
POLY 3	P=0.474	P=0.004**	P=0.035*	P=0.153
POLY 1.5	P=0.446	P=0.003**	P=0.032*	P=0.145
POLY 6	P=0.511	P=0.004**	P=0.039*	P=0.164
COCH-ARM / FISHERS	P=0.423	P=0.003**	P=0.029*	P=0.139
MAX-ISO-POLY-3	P=0.044*	P=0.002**	P=0.019*	P=0.088
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Osteosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	3/81.61	0/83.34	0/83.15	1/83.27
POLY-3 PERCENT (g)	3.7%	0%	0%	1.2%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	1/72 (1%)
FIRST INCIDENCE	448	---	---	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.250N	P=0.117N	P=0.118N	P=0.300N
POLY 1.5	P=0.249N	P=0.120N	P=0.120N	P=0.305N
POLY 6	P=0.252N	P=0.114N	P=0.115N	P=0.293N
COCH-ARM / FISHERS	P=0.248N	P=0.123N	P=0.123N	P=0.310N
MAX-ISO-POLY-3	P=0.043N*	P=0.039N*	P=0.039N*	P=0.154N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.002**	(e)	(e)	P=0.072
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 12/14/2017

Time Report Requested: 11:33:41

First Dose M/F: 06/18/12 / 06/18/12

Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Osteosarcoma or Osteoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/90 (3%)	0/90 (0%)	0/90 (0%)	1/90 (1%)
POLY-3 RATE (b)	3/81.61	0/83.34	0/83.15	1/83.27
POLY-3 PERCENT (g)	3.7%	0%	0%	1.2%
TERMINAL (d)	0/67 (0%)	0/72 (0%)	0/69 (0%)	1/72 (1%)
FIRST INCIDENCE	448	---	---	739 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/400 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.250N	P=0.117N	P=0.118N	P=0.300N
POLY 1.5	P=0.249N	P=0.120N	P=0.120N	P=0.305N
POLY 6	P=0.252N	P=0.114N	P=0.115N	P=0.293N
COCH-ARM / FISHERS	P=0.248N	P=0.123N	P=0.123N	P=0.310N
MAX-ISO-POLY-3	P=0.043N*	P=0.039N*	P=0.039N*	P=0.154N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.002**	(e)	(e)	P=0.072
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
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 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	36/90 (40%)	37/90 (41%)	35/90 (39%)	29/90 (32%)
POLY-3 RATE (b)	36/81.72	37/85.75	35/83.98	29/84.53
POLY-3 PERCENT (g)	44.1%	43.2%	41.7%	34.3%
TERMINAL (d)	32/67 (48%)	31/72 (43%)	29/69 (42%)	26/72 (36%)
FIRST INCIDENCE	511	403	674	390
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	179/400 (45%)			
STATISTICAL TESTS				
POLY 3	P=0.094N	P=0.515N	P=0.439N	P=0.127N
POLY 1.5	P=0.110N	P=0.560	P=0.477N	P=0.151N
POLY 6	P=0.077N	P=0.448N	P=0.390N	P=0.100N
COCH-ARM / FISHERS	P=0.124N	P=0.500	P=0.500N	P=0.176N
MAX-ISO-POLY-3	P=0.149N	P=0.452N	P=0.377N	P=0.100N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.432			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	33/90 (37%)	27/90 (30%)	35/90 (39%)	24/90 (27%)
POLY-3 RATE (b)	33/86.56	27/86.07	35/87.85	24/86.14
POLY-3 PERCENT (g)	38.1%	31.4%	39.8%	27.9%
TERMINAL (d)	17/67 (25%)	19/72 (26%)	17/69 (25%)	12/72 (17%)
FIRST INCIDENCE	448	458	516	590
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	182/400 (46%)			
STATISTICAL TESTS				
POLY 3	P=0.139N	P=0.220N	P=0.469	P=0.101N
POLY 1.5	P=0.146N	P=0.219N	P=0.445	P=0.105N
POLY 6	P=0.126N	P=0.219N	P=0.502	P=0.093N
COCH-ARM / FISHERS	P=0.140N	P=0.215N	P=0.439	P=0.100N
MAX-ISO-POLY-3	P=0.123N	P=0.176N	P=0.407	P=0.075N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.102			

Experiment Number: 20105 - 78
 Test Type: CHRONIC
 Route: Whole Body Exposure
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 12/14/2017
 Time Report Requested: 11:33:41
 First Dose M/F: 06/18/12 / 06/18/12
 Lab: IIT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 106 WEEKS**

DOSE	Females			
	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	59/90 (66%)	55/90 (61%)	57/90 (63%)	44/90 (49%)
POLY-3 RATE (b)	59/87.23	55/87.56	57/88.09	44/86.99
POLY-3 PERCENT (g)	67.6%	62.8%	64.7%	50.6%
TERMINAL (d)	42/67 (63%)	43/72 (60%)	38/69 (55%)	31/72 (43%)
FIRST INCIDENCE	448	403	516	390
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	281/400 (70%)			
STATISTICAL TESTS				
POLY 3	P=0.012N*	P=0.303N	P=0.401N	P=0.015N*
POLY 1.5	P=0.014N*	P=0.313N	P=0.438N	P=0.017N*
POLY 6	P=0.010N**	P=0.288N	P=0.348N	P=0.012N*
COCH-ARM / FISHERS	P=0.014N*	P=0.321N	P=0.438N	P=0.017N*
MAX-ISO-POLY-3	P=0.015N*	P=0.251N	P=0.341N	P=0.010N**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.257			

Experiment Number: 20105 - 78

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Cell Phone Radiation: GSM

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) 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.
- (h) Historical Controls statistic is not calculated when the HC Poly-3 rate is higher than the Poly-3 rates for all dose groups.
- (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 Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***