

**Experiment Number:** 20105 - 14

**Test Type:** 28-DAY

**Route:** Whole Body Exposure

**Species/Strain:** RATS/HSD

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

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 11/15/2017

**Time Report Requested:** 09:59:12

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

**Lab:** IIT

Custom Report with Litter-Based Analysis

**NTP Study Number:** C20105B  
**Lock Date:** 11/06/2014  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** 25021 TSAC  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.5.0.0\_sfh  
**PWG Approval Date:** NONE

**Experiment Number:** 20105 - 14

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

**MALE RATS**

**Organ**

Preputial Gland

**FEMALE RATS**

**Organ**

Adrenal Cortex

Clitoral Gland

Clitoral Gland: Bilateral

Kidney

Kidney: Renal Tubule

Thyroid Gland

**Morphology**

Inflammation Chronic

**Morphology**

Accessory Adrenal Cortical Nodule

Inflammation Chronic

Inflammation Chronic

Nephropathy Chronic Progressive

Casts Protein

Ectopic Thymus

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

---

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

---

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Epididymis</b>				
<b>Infiltration Cellular Mixed Cell</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	29 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.227
POLY 1.5	(e)	(e)	(e)	P=0.227
POLY 6	(e)	(e)	(e)	P=0.227
RAO-SCOTT	(e)	(e)	(e)	P=0.596
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500

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Test Type: 28-DAY

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Species/Strain: RATS/HSD

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Eye: Retina Dysplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

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

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<hr/>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
<b>LITTERS (b)</b>	1/4 (25%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
<b>POLY-3 RATE (c)</b>	1/10.00	0/10.00	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	10%	0%	0%	0%
<b>TERMINAL (d)</b>	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
<b>FIRST INCIDENCE</b>	29 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.186N	P=0.500N	P=0.500N	P=0.500N
<b>POLY 1.5</b>	P=0.186N	P=0.500N	P=0.500N	P=0.500N
<b>POLY 6</b>	P=0.186N	P=0.500N	P=0.500N	P=0.500N
<b>RAO-SCOTT</b>	P=0.407N	P=0.801N	P=0.801N	P=0.801N
<b>LITTER C-A/FISHERS</b>	P=0.178N	P=0.500N	P=0.500N	P=0.500N

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Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

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Lab: IIT

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney</b>				
<b>Nephropathy Chronic Progressive</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/10 (30%)	6/10 (60%)	4/10 (40%)	2/10 (20%)
LITTERS (b)	2/4 (50%)	4/4 (100%)	3/4 (75%)	2/4 (50%)
POLY-3 RATE (c)	3/10.00	6/10.00	4/10.00	2/10.00
POLY-3 PERCENT (g)	30%	60%	40%	20%
TERMINAL (d)	3/10 (30%)	6/10 (60%)	4/10 (40%)	2/10 (20%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.280N	P=0.186	P=0.500	P=0.500N
POLY 1.5	P=0.280N	P=0.186	P=0.500	P=0.500N
POLY 6	P=0.280N	P=0.186	P=0.500	P=0.500N
RAO-SCOTT	P=0.301N	P=0.220	P=0.527	P=0.530N
LITTER C-A/FISHERS	P=0.500N	P=0.214	P=0.500	P=0.757

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Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

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Lab: IIT

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney: Pelvis Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.186N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.186N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.186N	P=0.500N	P=0.500N	P=0.500N
RAO-SCOTT	P=0.322N	P=0.705N	P=0.705N	P=0.705N
LITTER C-A/FISHERS	P=0.178N	P=0.500N	P=0.500N	P=0.500N

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney: Renal Tubule Casts Protein</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	1/10 (10%)	0/10 (0%)	2/10 (20%)
LITTERS (b)	1/4 (25%)	1/4 (25%)	0/4 (0%)	1/4 (25%)
POLY-3 RATE (c)	1/10.00	1/10.00	0/10.00	2/10.00
POLY-3 PERCENT (g)	10%	10%	0%	20%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	0/10 (0%)	2/10 (20%)
FIRST INCIDENCE	29 (T)	29 (T)	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.409	P=0.760	P=0.500N	P=0.500
POLY 1.5	P=0.409	P=0.760	P=0.500N	P=0.500
POLY 6	P=0.409	P=0.760	P=0.500N	P=0.500
RAO-SCOTT	P=0.483	P=0.839	P=0.722N	P=0.640
LITTER C-A/FISHERS	P=0.500N	P=0.786	P=0.500N	P=0.786

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney: Renal Tubule Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	0/4 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.186	(e)	(e)	P=0.500
POLY 1.5	P=0.186	(e)	(e)	P=0.500
POLY 6	P=0.186	(e)	(e)	P=0.500
RAO-SCOTT	P=0.322	(e)	(e)	P=0.705
LITTER C-A/FISHERS	P=0.178	(e)	(e)	P=0.500

---

Experiment Number: 20105 - 14  
Test Type: 28-DAY  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Liver				
Extramedullary Hematopoiesis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
RAO-SCOTT	(e)	(e)	(e)	P=0.803
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.786

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Liver Inflammation Focal				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (c)	4/10.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	40%	0%	0%	40%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.667
POLY 1.5	(e)	(e)	(e)	P=0.667
POLY 6	(e)	(e)	(e)	P=0.667
RAO-SCOTT	(e)	(e)	(e)	P=0.718
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.757

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Lung Congestion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

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Species/Strain: RATS/HSD

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

Lab: IIT

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

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

---

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

---



Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lung</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
Lung				
Mineral				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14  
Test Type: 28-DAY  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
Time Report Requested: 09:59:12  
First Dose M/F: 12/09/10 / 12/09/10  
Lab: IIT

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

---

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lung: Alveolus Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14  
Test Type: 28-DAY  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
Time Report Requested: 09:59:12  
First Dose M/F: 12/09/10 / 12/09/10  
Lab: IIT

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

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

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lung: Subpleura Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lymph Node, Mandibular Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.227N
POLY 1.5	(e)	(e)	(e)	P=0.227N
POLY 6	(e)	(e)	(e)	P=0.227N
RAO-SCOTT	(e)	(e)	(e)	P=0.596N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N

---

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lymph Node, Mesenteric Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Nose: Glands, Respiratory Epithelium Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	1/4 (25%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
RAO-SCOTT	(e)	(e)	(e)	P=0.769N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.500N



Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

---

Nose: Olfactory Epithelium  
Cyst

---

**LESION RATES**

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

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**STATISTICAL TESTS**

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

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
 Time Report Requested: 09:59:12  
 First Dose M/F: 12/09/10 / 12/09/10  
 Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	20%	0%	0%	20%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.702
POLY 1.5	(e)	(e)	(e)	P=0.702
POLY 6	(e)	(e)	(e)	P=0.702
RAO-SCOTT	(e)	(e)	(e)	P=0.712
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.757

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

---

Pituitary Gland: Pars Distalis  
Cyst

---

**LESION RATES**

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

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**STATISTICAL TESTS**

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

---

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

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

---

Pituitary Gland: Rathke's Cleft  
Dilation

---

**LESION RATES**

OVERALL (a)	8/10 (80%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	3/4 (75%)
POLY-3 RATE (c)	8/10.00	0/0.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	80%	0%	0%	50%
TERMINAL (d)	8/10 (80%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)

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**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	P=0.174N
POLY 1.5	(e)	(e)	(e)	P=0.174N
POLY 6	(e)	(e)	(e)	P=0.174N
RAO-SCOTT	(e)	(e)	(e)	P=0.259N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.786

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Preputial Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/10 (40%)	7/10 (70%)	6/10 (60%)	9/10 (90%)
LITTERS (b)	3/4 (75%)	4/4 (100%)	3/4 (75%)	3/4 (75%)
POLY-3 RATE (c)	4/10.00	7/10.00	6/10.00	9/10.00
POLY-3 PERCENT (g)	40%	70%	60%	90%
TERMINAL (d)	4/10 (40%)	7/10 (70%)	6/10 (60%)	9/10 (90%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.024*	P=0.186	P=0.333	P=0.018*
POLY 1.5	P=0.024*	P=0.186	P=0.333	P=0.018*
POLY 6	P=0.024*	P=0.186	P=0.333	P=0.018*
RAO-SCOTT	P=0.035*	P=0.211	P=0.354	P=0.042*
LITTER C-A/FISHERS	P=0.500N	P=0.500	P=0.786	P=0.786

Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Preputial Gland: Bilateral Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	3/10 (30%)	3/10 (30%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	3/4 (75%)	2/4 (50%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	3/10.00	3/10.00	1/10.00
POLY-3 PERCENT (g)	0%	30%	30%	10%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	3/10 (30%)	1/10 (10%)
FIRST INCIDENCE	---	29 (T)	29 (T)	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.354	P=0.095	P=0.095	P=0.500
POLY 1.5	P=0.354	P=0.095	P=0.095	P=0.500
POLY 6	P=0.354	P=0.095	P=0.095	P=0.500
RAO-SCOTT	P=0.390	P=0.174	P=0.174	P=0.605
LITTER C-A/FISHERS	P=0.409	P=0.071	P=0.214	P=0.500

Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Thymus Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	1/1 (100%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	29 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	P=0.091	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)
POLY 6	(e)	(e)	P=0.091	(e)
RAO-SCOTT	P=0.643	(e)	P=0.068	(e)
LITTER C-A/FISHERS	P=0.661	(e)	P=0.200	(e)



Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Males			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
Thymus Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/1 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Adrenal Cortex</b>				
<b>Accessory Adrenal Cortical Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	4/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.033N*
POLY 1.5	(e)	(e)	(e)	P=0.033N*
POLY 6	(e)	(e)	(e)	P=0.033N*
RAO-SCOTT	(e)	(e)	(e)	P=0.133N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.071N

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Clitoral Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/10 (60%)	7/10 (70%)	10/10 (100%)	9/10 (90%)
LITTERS (b)	3/4 (75%)	4/4 (100%)	4/4 (100%)	4/4 (100%)
POLY-3 RATE (c)	6/10.00	7/10.00	10/10.00	9/10.00
POLY-3 PERCENT (g)	60%	70%	100%	90%
TERMINAL (d)	6/10 (60%)	7/10 (70%)	10/10 (100%)	9/10 (90%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022*	P=0.500	P=0.033*	P=0.148
POLY 1.5	P=0.022*	P=0.500	P=0.033*	P=0.148
POLY 6	P=0.022*	P=0.500	P=0.033*	P=0.148
RAO-SCOTT	P=0.046*	P=0.544	P=0.087	P=0.213
LITTER C-A/FISHERS	P=0.178	P=0.500	P=0.500	P=0.500

Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
 Time Report Requested: 09:59:12  
 First Dose M/F: 12/09/10 / 12/09/10  
 Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Clitoral Gland: Bilateral Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/10 (10%)	1/10 (10%)	3/10 (30%)	5/10 (50%)
LITTERS (b)	1/4 (25%)	1/4 (25%)	3/4 (75%)	3/4 (75%)
POLY-3 RATE (c)	1/10.00	1/10.00	3/10.00	5/10.00
POLY-3 PERCENT (g)	10%	10%	30%	50%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	3/10 (30%)	5/10 (50%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.015*	P=0.760	P=0.292	P=0.061
POLY 1.5	P=0.015*	P=0.760	P=0.292	P=0.061
POLY 6	P=0.015*	P=0.760	P=0.292	P=0.061
RAO-SCOTT	P=0.057	P=0.830	P=0.437	P=0.184
LITTER C-A/FISHERS	P=0.059	P=0.786	P=0.243	P=0.243

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Heart				
Cardiomyopathy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney</b>				
<b>Nephropathy Chronic Progressive</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	2/10 (20%)	4/10 (40%)	3/10 (30%)
LITTERS (b)	0/4 (0%)	2/4 (50%)	2/4 (50%)	3/4 (75%)
POLY-3 RATE (c)	0/10.00	2/10.00	4/10.00	3/10.00
POLY-3 PERCENT (g)	0%	20%	40%	30%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	4/10 (40%)	3/10 (30%)
FIRST INCIDENCE	---	29 (T)	29 (T)	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.043*	P=0.227	P=0.033*	P=0.095
POLY 1.5	P=0.043*	P=0.227	P=0.033*	P=0.095
POLY 6	P=0.043*	P=0.227	P=0.033*	P=0.095
RAO-SCOTT	P=0.075	P=0.324	P=0.093	P=0.175
LITTER C-A/FISHERS	P=0.036*	P=0.214	P=0.214	P=0.071

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney: Pelvis Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Kidney: Renal Tubule Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
LITTERS (b)	0/4 (0%)	0/4 (0%)	0/4 (0%)	1/4 (25%)
POLY-3 RATE (c)	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.186	(e)	(e)	P=0.500
POLY 1.5	P=0.186	(e)	(e)	P=0.500
POLY 6	P=0.186	(e)	(e)	P=0.500
RAO-SCOTT	P=0.322	(e)	(e)	P=0.705
LITTER C-A/FISHERS	P=0.178	(e)	(e)	P=0.500

Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
 Time Report Requested: 09:59:12  
 First Dose M/F: 12/09/10 / 12/09/10  
 Lab: IIT

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

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

Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cell Phone Radiation: CDMA  
 CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
 Time Report Requested: 09:59:12  
 First Dose M/F: 12/09/10 / 12/09/10  
 Lab: IIT

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

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

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Liver Inflammation Focal				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	7/10 (70%)
LITTERS (b)	4/4 (100%)	0/0 (0%)	0/0 (0%)	4/4 (100%)
POLY-3 RATE (c)	4/10.00	0/0.00	0/0.00	7/10.00
POLY-3 PERCENT (g)	40%	0%	0%	70%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	7/10 (70%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.186
POLY 1.5	(e)	(e)	(e)	P=0.186
POLY 6	(e)	(e)	(e)	P=0.186
RAO-SCOTT	(e)	(e)	(e)	P=0.184
LITTER C-A/FISHERS	(e)	(e)	(e)	(e)

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Lung Inflammation				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14  
Test Type: 28-DAY  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lung: Perivascular Infiltration Cellular Eosinophil</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	0%	30%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	---	---	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.095
POLY 1.5	(e)	(e)	(e)	P=0.095
POLY 6	(e)	(e)	(e)	P=0.095
RAO-SCOTT	(e)	(e)	(e)	P=0.374
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214

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Experiment Number: 20105 - 14  
Test Type: 28-DAY  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lung: Subpleura Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
LITTERS (b)	2/4 (50%)	0/0 (0%)	0/0 (0%)	4/4 (100%)
POLY-3 RATE (c)	2/10.00	0/0.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	20%	0%	0%	50%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.174
POLY 1.5	(e)	(e)	(e)	P=0.174
POLY 6	(e)	(e)	(e)	P=0.174
RAO-SCOTT	(e)	(e)	(e)	P=0.174
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Lymph Node, Mandibular Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

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

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

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

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Nose: Glands, Respiratory Epithelium  
Cyst

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**LESION RATES**

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

---

**STATISTICAL TESTS**

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

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Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Nose: Olfactory Epithelium Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

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

---

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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

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Experiment Number: 20105 - 14  
Test Type: 28-DAY  
Route: Whole Body Exposure  
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cell Phone Radiation: CDMA  
CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017  
Time Report Requested: 09:59:12  
First Dose M/F: 12/09/10 / 12/09/10  
Lab: IIT

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

---

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

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

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

---

Pituitary Gland: Pars Distalis  
Cyst

---

**LESION RATES**

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

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**STATISTICAL TESTS**

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

---

Experiment Number: 20105 - 14  
 Test Type: 28-DAY  
 Route: Whole Body Exposure  
 Species/Strain: RATS/HSD

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

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Pituitary Gland: Rathke's Cleft Dilation</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/10 (60%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
LITTERS (b)	4/4 (100%)	0/0 (0%)	0/0 (0%)	2/4 (50%)
POLY-3 RATE (c)	6/10.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	60%	0%	0%	20%
TERMINAL (d)	6/10 (60%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	29 (T)	---	---	29 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.077N
POLY 1.5	(e)	(e)	(e)	P=0.077N
POLY 6	(e)	(e)	(e)	P=0.077N
RAO-SCOTT	(e)	(e)	(e)	P=0.085N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.214N



Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

---

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Stomach, Glandular Erosion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

---

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

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

Lab: IIT

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

---

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<hr/>				
Thymus Congestion				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	0/1 (0%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
RAO-SCOTT	(n)	(n)	(n)	(n)
LITTER C-A/FISHERS	(n)	(n)	(n)	(n)

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
Thymus Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
LITTERS (b)	0/4 (0%)	0/0 (0%)	1/1 (100%)	0/4 (0%)
POLY-3 RATE (c)	0/10.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	29 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	P=0.091	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)
POLY 6	(e)	(e)	P=0.091	(e)
RAO-SCOTT	P=0.643	(e)	P=0.068	(e)
LITTER C-A/FISHERS	P=0.661	(e)	P=0.200	(e)

Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

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

Lab: IIT

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

---

DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
Thyroid Gland				
Ectopic Thymus				
<b>LESION RATES</b>				
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	5/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	50%	0%	0%	0%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.008N**
POLY 1.5	(e)	(e)	(e)	P=0.008N**
POLY 6	(e)	(e)	(e)	P=0.008N**
RAO-SCOTT	(e)	(e)	(e)	P=0.078N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.071N

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Experiment Number: 20105 - 14

Test Type: 28-DAY

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 11/15/2017

Time Report Requested: 09:59:12

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

Lab: IIT

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

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DOSE	Females			
	0W/kg(CDMA)PreC	3W/kg(CDMA)PreC	6W/kg(CDMA)PreC	9W/kg(CDMA)PreC
<b>Thyroid Gland</b>				
<b>Ultimobranchial Cyst</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
LITTERS (b)	3/4 (75%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
POLY-3 RATE (c)	3/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.095N
POLY 1.5	(e)	(e)	(e)	P=0.095N
POLY 6	(e)	(e)	(e)	P=0.095N
RAO-SCOTT	(e)	(e)	(e)	P=0.105N
LITTER C-A/FISHERS	(e)	(e)	(e)	P=0.071N

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**Experiment Number:** 20105 - 14

**Test Type:** 28-DAY

**Route:** Whole Body Exposure

**Species/Strain:** RATS/HSD

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

Cell Phone Radiation: CDMA

**CAS Number:** CELLPRADCDMA

**Date Report Requested:** 11/15/2017

**Time Report Requested:** 09:59:12

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

**Lab:** IIT

**LEGEND**

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

\*\*\* END OF REPORT \*\*\*