

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018
Time Report Requested: 15:41:17
First Dose M/F: 09/16/12 / 09/16/12
Lab: IIT

Final 2- Data Changes through 12-15-17 GSM Rats SSAC Only

NTP Study Number: C20105
Lock Date: 12/29/2015
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.4_cartox
PWG Approval Date: NONE

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

MALE RATS

Organ

Harderian Gland

Heart: Ventricle Right

Lymph Node, Mandibular

Pituitary Gland: Rathke's Cleft

Preputial Gland

Thymus

FEMALE RATS

Organ

Lung: Alveolus

Lymph Node, Mandibular

Pituitary Gland: Pars Distalis

Morphology

Inflammation Chronic

Cardiomyopathy

Hyperplasia Lymphocyte

Proliferation Plasma Cell

Cyst

Inflammation Chronic

Hemorrhage

Morphology

Infiltration Cellular Histiocyte

Hyperplasia Lymphocyte

Proliferation Plasma Cell

Cyst

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|---------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| <hr/> | | | | |
| Bone: Tibia | | | | |
| Fracture Chronic | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 94 (I) |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 6 | P=0.199 | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.196 | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.124 | (e) | (e) | P=0.159 |

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LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Eye: Retina
Developmental Malformation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|------------|
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 94 (I) |

STATISTICAL TESTS

| | | | | |
|--------------------|---------|-----|-----|---------|
| POLY 3 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 6 | P=0.199 | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.196 | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.124 | (e) | (e) | P=0.159 |

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LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Harderian Gland Infiltration Cellular Lymphocyte | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

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LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Harderian Gland Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 3/10 (30%) | 2/10 (20%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 3/10.00 | 2/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 30% | 20% | 20% |
| INT SACRIFICE 1 | 0/10 (0%) | 3/10 (30%) | 2/10 (20%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.313 | P=0.095 | P=0.227 | P=0.227 |
| POLY 1.5 | P=0.313 | P=0.095 | P=0.227 | P=0.227 |
| POLY 6 | P=0.313 | P=0.095 | P=0.227 | P=0.227 |
| COCH-ARM / FISHERS | P=0.311 | P=0.105 | P=0.237 | P=0.237 |
| MAX-ISO-POLY-3 | P=0.137 | P=0.025* | P=0.067 | P=0.067 |

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LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| <hr/> | | | | |
| Heart | | | | |
| Cardiomyopathy | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/10 (20%) | 4/10 (40%) | 3/10 (30%) | 4/10 (40%) |
| POLY-3 RATE (b) | 2/10.00 | 4/10.00 | 3/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 20% | 40% | 30% | 40% |
| INT SACRIFICE 1 | 2/10 (20%) | 4/10 (40%) | 3/10 (30%) | 4/10 (40%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | 94 (I) | 94 (I) |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.310 | P=0.318 | P=0.500 | P=0.318 |
| POLY 1.5 | P=0.310 | P=0.318 | P=0.500 | P=0.318 |
| POLY 6 | P=0.310 | P=0.318 | P=0.500 | P=0.318 |
| COCH-ARM / FISHERS | P=0.304 | P=0.314 | P=0.500 | P=0.314 |
| MAX-ISO-POLY-3 | P=0.288 | P=0.172 | P=0.311 | P=0.172 |

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LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Heart: Ventricle Right Cardiomyopathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 1/10 (10%) | 5/10 (50%) | 5/10 (50%) |
| POLY-3 RATE (b) | 1/10.00 | 1/10.00 | 5/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 10% | 10% | 50% | 50% |
| INT SACRIFICE 1 | 1/10 (10%) | 1/10 (10%) | 5/10 (50%) | 5/10 (50%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.013* | P=0.760 | P=0.061 | P=0.061 |
| POLY 1.5 | P=0.013* | P=0.760 | P=0.061 | P=0.061 |
| POLY 6 | P=0.013* | P=0.760 | P=0.061 | P=0.061 |
| COCH-ARM / FISHERS | P=0.018* | P=0.763N | P=0.070 | P=0.070 |
| MAX-ISO-POLY-3 | P=0.020* | P=1.000 | P=0.020* | P=0.020* |

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LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Intestine Large, Rectum: Lymphoid Tissue Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 10% | 0% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 6 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.231N | P=0.763N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.255N | P=1.000 | P=0.159N | P=0.159N |

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LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney | | | | |
| Congestion | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 94 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

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LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney | | | | |
| Nephropathy Chronic Progressive | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 9/10 (90%) | 8/10 (80%) | 8/10 (80%) | 7/10 (70%) |
| POLY-3 RATE (b) | 9/10.00 | 8/10.00 | 8/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 90% | 80% | 80% | 70% |
| INT SACRIFICE 1 | 9/10 (90%) | 8/10 (80%) | 8/10 (80%) | 7/10 (70%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.220N | P=0.500N | P=0.500N | P=0.292N |
| POLY 1.5 | P=0.220N | P=0.500N | P=0.500N | P=0.292N |
| POLY 6 | P=0.220N | P=0.500N | P=0.500N | P=0.292N |
| COCH-ARM / FISHERS | P=0.211N | P=0.500N | P=0.500N | P=0.291N |
| MAX-ISO-POLY-3 | P=0.226N | P=0.275N | P=0.275N | P=0.136N |

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LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|------------------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney: Pelvis Dilation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 94 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

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LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney: Renal Tubule Dilation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (I) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.567N | P=0.500 | (e) | (e) |
| POLY 1.5 | P=0.567N | P=0.500 | (e) | (e) |
| POLY 6 | P=0.567N | P=0.500 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.568N | P=0.500 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.388N | P=0.159 | (e) | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Liver | | | | |
| Infiltration Cellular Mixed Cell | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 3/10 (30%) | 3/10 (30%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 3/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 30% | 30% |
| INT SACRIFICE 1 | 1/10 (10%) | 0/10 (0%) | 3/10 (30%) | 3/10 (30%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | --- | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.089 | P=0.500N | P=0.292 | P=0.292 |
| POLY 1.5 | P=0.089 | P=0.500N | P=0.292 | P=0.292 |
| POLY 6 | P=0.089 | P=0.500N | P=0.292 | P=0.292 |
| COCH-ARM / FISHERS | P=0.091 | P=0.500N | P=0.291 | P=0.291 |
| MAX-ISO-POLY-3 | P=0.107 | P=0.159N | P=0.136 | P=0.136 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung Congestion | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 94 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018
 Time Report Requested: 15:41:17
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 10% | 0% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 6 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.231N | P=0.763N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.255N | P=1.000 | P=0.159N | P=0.159N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Lung: Alveolus
Infiltration Cellular Histiocyte

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung: Epithelium Alveolus Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mandibular Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 1/10 (10%) |
| POLY-3 RATE (b) | 2/10.00 | 2/10.00 | 2/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 20% | 20% | 20% | 10% |
| INT SACRIFICE 1 | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.368N | P=0.702 | P=0.702 | P=0.500N |
| POLY 1.5 | P=0.368N | P=0.702 | P=0.702 | P=0.500N |
| POLY 6 | P=0.368N | P=0.702 | P=0.702 | P=0.500N |
| COCH-ARM / FISHERS | P=0.363N | P=0.709N | P=0.709N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.461N | P=1.000 | P=1.000 | P=0.275N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mandibular Hyperplasia Lymphocyte | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 40% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P<0.001** | (e) | (e) | P=0.033* |
| POLY 1.5 | P<0.001** | (e) | (e) | P=0.033* |
| POLY 6 | P<0.001** | (e) | (e) | P=0.033* |
| COCH-ARM / FISHERS | P=0.002** | (e) | (e) | P=0.043* |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | P=0.007** |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mandibular Proliferation Plasma Cell | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 20% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.038* | (e) | (e) | P=0.227 |
| POLY 1.5 | P=0.038* | (e) | (e) | P=0.227 |
| POLY 6 | P=0.038* | (e) | (e) | P=0.227 |
| COCH-ARM / FISHERS | P=0.043* | (e) | (e) | P=0.237 |
| MAX-ISO-POLY-3 | P=0.025* | (e) | (e) | P=0.067 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mesenteric Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 2/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (l) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.400N | P=0.227 | (e) | (e) |
| POLY 1.5 | P=0.400N | P=0.227 | (e) | (e) |
| POLY 6 | P=0.400N | P=0.227 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.403N | P=0.237 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.232N | P=0.067 | (e) | (e) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Pituitary Gland: Pars Distalis Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 2/10 (20%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 2/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 20% | 20% |
| INT SACRIFICE 1 | 0/10 (0%) | 1/10 (10%) | 2/10 (20%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.152 | P=0.500 | P=0.227 | P=0.227 |
| POLY 1.5 | P=0.152 | P=0.500 | P=0.227 | P=0.227 |
| POLY 6 | P=0.152 | P=0.500 | P=0.227 | P=0.227 |
| COCH-ARM / FISHERS | P=0.147 | P=0.500 | P=0.237 | P=0.237 |
| MAX-ISO-POLY-3 | P=0.146 | P=0.159 | P=0.067 | P=0.067 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Pituitary Gland: Pars Intermedia
Cyst

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Pituitary Gland: Rathke's Cleft Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 3/10 (30%) | 3/10 (30%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 3/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 30% | 30% |
| INT SACRIFICE 1 | 0/10 (0%) | 1/10 (10%) | 3/10 (30%) | 3/10 (30%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.051 | P=0.500 | P=0.095 | P=0.095 |
| POLY 1.5 | P=0.051 | P=0.500 | P=0.095 | P=0.095 |
| POLY 6 | P=0.051 | P=0.500 | P=0.095 | P=0.095 |
| COCH-ARM / FISHERS | P=0.053 | P=0.500 | P=0.105 | P=0.105 |
| MAX-ISO-POLY-3 | P=0.058 | P=0.159 | P=0.025* | P=0.025* |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Preputial Gland Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 7/10 (70%) | 3/10 (30%) | 1/10 (10%) | 4/10 (40%) |
| POLY-3 RATE (b) | 7/10.00 | 3/10.00 | 1/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 70% | 30% | 10% | 40% |
| INT SACRIFICE 1 | 7/10 (70%) | 3/10 (30%) | 1/10 (10%) | 4/10 (40%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.160N | P=0.082N | P=0.003N** | P=0.186N |
| POLY 1.5 | P=0.160N | P=0.082N | P=0.003N** | P=0.186N |
| POLY 6 | P=0.160N | P=0.082N | P=0.003N** | P=0.186N |
| COCH-ARM / FISHERS | P=0.174N | P=0.089N | P=0.010N** | P=0.185N |
| MAX-ISO-POLY-3 | P=0.020N* | P=0.032N* | P<0.001N** | P=0.090N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Prostate | | | | |
| Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (I) | 94 (I) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.594N | P=0.500 | P=0.500 | (e) |
| POLY 1.5 | P=0.594N | P=0.500 | P=0.500 | (e) |
| POLY 6 | P=0.594N | P=0.500 | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.597N | P=0.500 | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.407 | P=0.159 | P=0.159 | (e) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|----------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Salivary Glands | | | | |
| Degeneration Cystic | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Skeletal Muscle | | | | |
| Infiltration Cellular Histiocyte | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Males | | | |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| <hr/> | | | | |
| Testis: Germ Cell Degeneration | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 94 (I) |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 6 | P=0.199 | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.196 | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.124 | (e) | (e) | P=0.159 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Thymus Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 5/10 (50%) | 1/10 (10%) | 2/10 (20%) | 0/10 (0%) |
| POLY-3 RATE (b) | 5/10.00 | 1/10.00 | 2/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 50% | 10% | 20% | 0% |
| INT SACRIFICE 1 | 5/10 (50%) | 1/10 (10%) | 2/10 (20%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 94 (I) | 94 (I) | 94 (I) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.011N* | P=0.061N | P=0.174N | P=0.008N** |
| POLY 1.5 | P=0.011N* | P=0.061N | P=0.174N | P=0.008N** |
| POLY 6 | P=0.011N* | P=0.061N | P=0.174N | P=0.008N** |
| COCH-ARM / FISHERS | P=0.016N* | P=0.070N | P=0.175N | P=0.016N* |
| MAX-ISO-POLY-3 | P=0.002N** | P=0.020N* | P=0.080N | P<0.001N** |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Males | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Thyroid Gland | | | | |
| Ectopic Thymus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 1/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 10% | 20% |
| INT SACRIFICE 1 | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 94 (I) | 94 (I) | 94 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.148 | P=0.500 | P=0.500 | P=0.227 |
| POLY 1.5 | P=0.148 | P=0.500 | P=0.500 | P=0.227 |
| POLY 6 | P=0.148 | P=0.500 | P=0.500 | P=0.227 |
| COCH-ARM / FISHERS | P=0.143 | P=0.500 | P=0.500 | P=0.237 |
| MAX-ISO-POLY-3 | P=0.114 | P=0.159 | P=0.159 | P=0.067 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|---------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| <hr/> | | | | |
| Bone: Tibia | | | | |
| Fracture Chronic | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018
 Time Report Requested: 15:41:17
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Clitoral Gland Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 4/10 (40%) | 5/10 (50%) | 6/10 (60%) | 4/10 (40%) |
| POLY-3 RATE (b) | 4/10.00 | 5/10.00 | 6/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 40% | 50% | 60% | 40% |
| INT SACRIFICE 1 | 4/10 (40%) | 5/10 (50%) | 6/10 (60%) | 4/10 (40%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | 93 (I) | 93 (I) | 93 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.561N | P=0.500 | P=0.333 | P=0.667 |
| POLY 1.5 | P=0.561N | P=0.500 | P=0.333 | P=0.667 |
| POLY 6 | P=0.561N | P=0.500 | P=0.333 | P=0.667 |
| COCH-ARM / FISHERS | P=0.564N | P=0.500 | P=0.328 | P=0.675N |
| MAX-ISO-POLY-3 | P=0.529 | P=0.333 | P=0.193 | P=1.000 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Eye: Retina
Developmental Malformation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

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) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Harderian Gland Infiltration Cellular Lymphocyte | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.306N | P=0.500N | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.306N | P=0.500N | P=0.500N | P=0.500N |
| POLY 6 | P=0.306N | P=0.500N | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.304N | P=0.500N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.124N | P=0.159N | P=0.159N | P=0.159N |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Harderian Gland Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Heart | | | | |
| Cardiomyopathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 2/10 (20%) | 1/10 (10%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 2/10.00 | 1/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% | 10% | 20% |
| INT SACRIFICE 1 | 0/10 (0%) | 2/10 (20%) | 1/10 (10%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 93 (I) | 93 (I) | 93 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.238 | P=0.227 | P=0.500 | P=0.227 |
| POLY 1.5 | P=0.238 | P=0.227 | P=0.500 | P=0.227 |
| POLY 6 | P=0.238 | P=0.227 | P=0.500 | P=0.227 |
| COCH-ARM / FISHERS | P=0.234 | P=0.237 | P=0.500 | P=0.237 |
| MAX-ISO-POLY-3 | P=0.146 | P=0.067 | P=0.159 | P=0.067 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Heart: Ventricle Right Cardiomyopathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 93 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Intestine Large, Rectum: Lymphoid Tissue
Hyperplasia

LESION RATES

| | | | | |
|--------------------|------------|------------|-----------|-----------|
| OVERALL (a) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 10% | 0% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | 93 (I) | --- | --- |

STATISTICAL TESTS

| | | | | |
|--------------------|----------|----------|----------|----------|
| POLY 3 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 6 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.231N | P=0.763N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.255N | P=1.000 | P=0.159N | P=0.159N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney Congestion | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney | | | | |
| Nephropathy Chronic Progressive | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/10 (30%) | 4/10 (40%) | 3/10 (30%) | 2/10 (20%) |
| POLY-3 RATE (b) | 3/10.00 | 4/10.00 | 3/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 30% | 40% | 30% | 20% |
| INT SACRIFICE 1 | 3/10 (30%) | 4/10 (40%) | 3/10 (30%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | 93 (I) | 93 (I) | 93 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.327N | P=0.500 | P=0.678 | P=0.500N |
| POLY 1.5 | P=0.327N | P=0.500 | P=0.678 | P=0.500N |
| POLY 6 | P=0.327N | P=0.500 | P=0.678 | P=0.500N |
| COCH-ARM / FISHERS | P=0.320N | P=0.500 | P=0.686N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.390N | P=0.327 | P=1.000 | P=0.311N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

**Kidney: Pelvis
Dilation**

| LESION RATES | | | | |
|---------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

| 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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Kidney: Renal Tubule Dilation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Liver | | | | |
| Infiltration Cellular Mixed Cell | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) | 1/10 (10%) |
| POLY-3 RATE (b) | 1/10.00 | 1/10.00 | 2/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 10% | 10% | 20% | 10% |
| INT SACRIFICE 1 | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | 93 (I) | 93 (I) | 93 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.592 | P=0.760 | P=0.500 | P=0.760 |
| POLY 1.5 | P=0.592 | P=0.760 | P=0.500 | P=0.760 |
| POLY 6 | P=0.592 | P=0.760 | P=0.500 | P=0.760 |
| COCH-ARM / FISHERS | P=0.596 | P=0.763N | P=0.500 | P=0.763N |
| MAX-ISO-POLY-3 | P=0.586 | P=1.000 | P=0.275 | P=1.000 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung Congestion | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 93 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung | | | | |
| Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 93 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung: Alveolus Infiltration Cellular Histiocyte | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (l) | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.102N | P=0.227N | P=0.227N | P=0.227N |
| POLY 1.5 | P=0.102N | P=0.227N | P=0.227N | P=0.227N |
| POLY 6 | P=0.102N | P=0.227N | P=0.227N | P=0.227N |
| COCH-ARM / FISHERS | P=0.110N | P=0.237N | P=0.237N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.025N* | P=0.067N | P=0.067N | P=0.067N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lung: Epithelium Alveolus Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 93 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mandibular Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 2/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | 93 (l) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.400N | P=0.227 | (e) | (e) |
| POLY 1.5 | P=0.400N | P=0.227 | (e) | (e) |
| POLY 6 | P=0.400N | P=0.227 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.403N | P=0.237 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.232N | P=0.067 | (e) | (e) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Cell Phone Radiation: GSM
 CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018
 Time Report Requested: 15:41:17
 First Dose M/F: 09/16/12 / 09/16/12
 Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mandibular Hyperplasia Lymphocyte | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 20% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93 (l) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.038* | (e) | (e) | P=0.227 |
| POLY 1.5 | P=0.038* | (e) | (e) | P=0.227 |
| POLY 6 | P=0.038* | (e) | (e) | P=0.227 |
| COCH-ARM / FISHERS | P=0.043* | (e) | (e) | P=0.237 |
| MAX-ISO-POLY-3 | P=0.025* | (e) | (e) | P=0.067 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mandibular Proliferation Plasma Cell | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 3/10 (30%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 30% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 3/10 (30%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93 (l) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.005** | (e) | (e) | P=0.095 |
| POLY 1.5 | P=0.005** | (e) | (e) | P=0.095 |
| POLY 6 | P=0.005** | (e) | (e) | P=0.095 |
| COCH-ARM / FISHERS | P=0.010** | (e) | (e) | P=0.105 |
| MAX-ISO-POLY-3 | P=0.004** | (e) | (e) | P=0.025* |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Lymph Node, Mesenteric Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Ovary Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93 (I) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 6 | P=0.199 | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.196 | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.124 | (e) | (e) | P=0.159 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Ovary: Follicle
Cyst

| LESION RATES | | | | |
|--------------------|------------|-----------|-----------|-----------|
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (l) | --- | --- | --- |

| STATISTICAL TESTS | | | | |
|--------------------|----------|----------|----------|----------|
| POLY 3 | P=0.306N | P=0.500N | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.306N | P=0.500N | P=0.500N | P=0.500N |
| POLY 6 | P=0.306N | P=0.500N | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.304N | P=0.500N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.124N | P=0.159N | P=0.159N | P=0.159N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Pituitary Gland: Pars Distalis Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (l) | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.102N | P=0.227N | P=0.227N | P=0.227N |
| POLY 1.5 | P=0.102N | P=0.227N | P=0.227N | P=0.227N |
| POLY 6 | P=0.102N | P=0.227N | P=0.227N | P=0.227N |
| COCH-ARM / FISHERS | P=0.110N | P=0.237N | P=0.237N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.025N* | P=0.067N | P=0.067N | P=0.067N |

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Pituitary Gland: Pars Intermedia Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 10% | 0% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | 93 (I) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| POLY 6 | P=0.237N | P=0.760 | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.231N | P=0.763N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.255N | P=1.000 | P=0.159N | P=0.159N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |

Pituitary Gland: Rathke's Cleft Cyst

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|----------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Salivary Glands | | | | |
| Degeneration Cystic | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93 (I) |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.199 | (e) | (e) | P=0.500 |
| POLY 6 | P=0.199 | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.196 | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.124 | (e) | (e) | P=0.159 |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|---|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Skeletal Muscle | | | | |
| Infiltration Cellular Histiocyte | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 93 (l) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 1.5 | P=0.694 | (e) | P=0.500 | (e) |
| POLY 6 | P=0.694 | (e) | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.696 | (e) | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.388 | (e) | P=0.159 | (e) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS

| DOSE | Females | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Thymus Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 10% | 0% |
| INT SACRIFICE 1 | 1/10 (10%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93 (I) | --- | 93 (I) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.406N | P=0.500N | P=0.760 | P=0.500N |
| POLY 1.5 | P=0.406N | P=0.500N | P=0.760 | P=0.500N |
| POLY 6 | P=0.406N | P=0.500N | P=0.760 | P=0.500N |
| COCH-ARM / FISHERS | P=0.403N | P=0.500N | P=0.763N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.255N | P=0.159N | P=1.000 | P=0.159N |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
LAST REMOVAL AT 14 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 0.0W/kg(GSM)chr | 1.5W/kg(GSM)chr | 3.0W/kg(GSM)chr | 6.0W/kg(GSM)chr |
| Thyroid Gland | | | | |
| Ectopic Thymus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| INT SACRIFICE 1 | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| 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) |

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 15:41:17

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

Lab: IIT

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of 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 Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***