

**Experiment Number:** 20313 - 01  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 09/21/2016  
**Time Report Requested:** 15:04:22  
**First Dose M/F:** 07/12/04 / 07/12/04  
**Lab:** NCTR

**NTP Study Number:** C20313  
**Lock Date:** 03/06/2013  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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## SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ACRYLAMIDE

### MALE RATS

#### Organ

Bone Marrow: Erythroid Cell  
Epididymis  
  
Liver: Left Lateral Lobe  
Lung: Artery  
Lymph Node, Mesenteric  
Peripheral Nerve: Axon  
Peripheral Nerve: Schwann Cell  
Skeletal Muscle  
Spinal Cord, Lumbar: Axon  
Spleen  
  
Testes: Germinal Epithelium  
Urinary Bladder

### FEMALE RATS

#### Organ

Bone Marrow: Erythroid Cell  
Clitoral Gland  
Kidney: Cortex  
Liver: Left Lateral Lobe  
Ovary: Corpus Luteum  
Peripheral Nerve: Axon  
Peripheral Nerve: Schwann Cell  
Skeletal Muscle  
Spinal Cord, Lumbar: Axon  
Spleen  
  
Urinary Bladder  
Uterus

#### Morphology

Hyperplasia  
Exfoliated Germ Cell  
Hypospermia  
Developmental Malformation  
Mineralization  
Hyperplasia Lymphoid  
Degeneration  
Degeneration  
Atrophy  
Degeneration  
Congestion  
Pigmentation  
Degeneration  
Dilatation

#### Morphology

Hyperplasia  
Inflammation  
Mineralization  
Developmental Malformation  
Dysgenesis  
Degeneration  
Degeneration  
Atrophy  
Degeneration  
Congestion  
Pigmentation  
Dilatation  
Anestrus  
Dilatation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males     |          |          |           |            |
|--|-----------|----------|----------|-----------|------------|
|  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Bone Marrow: Erythroid Cell Hyperplasia</b> |           |          |          |           |            |
| <b>LESION RATES</b>                            |           |          |          |           |            |
| OVERALL (a)                                    | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                                | 0/8.00    | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                             | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                                   | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                                | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b>                       |           |          |          |           |            |
| POLY 3   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                       | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                             | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                                 | (e)       | (e)      | (e)      | (e)       | (e)        |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                        | Males     |          |           |            |            |
|-----------------------------|-----------|----------|-----------|------------|------------|
|                             | CONTROL   | 25 UG/ML | 50 UG/ML  | 100 UG/ML  | 250 UG/ML  |
| <b>Epididymis</b>           |           |          |           |            |            |
| <b>Exfoliated Germ Cell</b> |           |          |           |            |            |
| <b>LESION RATES</b>         |           |          |           |            |            |
| OVERALL (a)                 | 0/8 (0%)  | 0/8 (0%) | 2/8 (25%) | 8/8 (100%) | 8/8 (100%) |
| POLY-3 RATE (b)             | 0/8.00    | 0/8.00   | 2/8.00    | 8/8.00     | 8/8.00     |
| POLY-3 PERCENT (g)          | 0%        | 0%       | 25%       | 100%       | 100%       |
| TERMINAL (d)                | 0/8 (0%)  | 0/8 (0%) | 2/8 (25%) | 8/8 (100%) | 8/8 (100%) |
| FIRST INCIDENCE             | ---       | ---      | 101 (T)   | 101 (T)    | 101 (T)    |
| <b>STATISTICAL TESTS</b>    |           |          |           |            |            |
| POLY 3                      | P<0.001** | (e)      | P=0.223   | P<0.001**  | P<0.001**  |
| POLY 1.5                    | P<0.001** | (e)      | P=0.223   | P<0.001**  | P<0.001**  |
| POLY 6                      | P<0.001** | (e)      | P=0.223   | P<0.001**  | P<0.001**  |
| COCH-ARM / FISHERS          | P<0.001** | (e)      | P=0.233   | P<0.001**  | P<0.001**  |
| MAX-ISO-POLY-3              | P<0.001** | (e)      | P=0.063   | (e)        | (e)        |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males     |          |          |           |            |
|--------------------------|-----------|----------|----------|-----------|------------|
|                          | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Epididymis</b>        |           |          |          |           |            |
| <b>Hypospermia</b>       |           |          |          |           |            |
| <b>LESION RATES</b>      |           |          |          |           |            |
| OVERALL (a)              | 0/8 (0%)  | 0/8 (0%) | 0/8 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)          | 0/8.00    | 0/8.00   | 0/8.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)       | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)             | 0/8 (0%)  | 0/8 (0%) | 0/8 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE          | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b> |           |          |          |           |            |
| POLY 3                   | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                 | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                   | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS       | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3           | P<0.001** | (e)      | (e)      | (e)       | (e)        |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males    |          |          |           |           |
|---|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Harderian Gland<br/>Inflammation Chronic</b> |          |          |          |           |           |
| <b>LESION RATES</b>                             |          |          |          |           |           |
| OVERALL (a)                                     | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                                 | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                              | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                                    | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                                 | ---      | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                        |          |          |          |           |           |
| POLY 3  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                              | P=0.340  | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                                  | (e)      | (e)      | (e)      | (e)       | P=0.158   |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                  | Males    |          |          |           |           |
|---------------------------------------|----------|----------|----------|-----------|-----------|
|                                       | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Heart: Artery<br/>Inflammation</b> |          |          |          |           |           |
| <b>LESION RATES</b>                   |          |          |          |           |           |
| OVERALL (a)                           | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                       | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                    | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                          | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                       | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>              |          |          |          |           |           |
| POLY 3                                | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                              | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                                | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                    | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                        | (n)      | (n)      | (n)      | (n)       | (n)       |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males     |          |          |           |           |
|---|-----------|----------|----------|-----------|-----------|
|   | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Heart: Myocardium<br/>Inflammation Focal</b> |           |          |          |           |           |
| <b>LESION RATES</b>                             |           |          |          |           |           |
| OVERALL (a)                                     | 6/8 (75%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 5/8 (63%) |
| POLY-3 RATE (b)                                 | 6/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 5/8.00    |
| POLY-3 PERCENT (g)                              | 75%       | 0%       | 0%       | 0%        | 62.5%     |
| TERMINAL (d)                                    | 6/8 (75%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 5/8 (63%) |
| FIRST INCIDENCE                                 | 101 (T)   | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                        |           |          |          |           |           |
| POLY 3  | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5  | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6  | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                              | P=0.415N  | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                                  | (e)       | (e)      | (e)      | (e)       | P=0.304N  |



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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males     |          |          |           |           |
|--|-----------|----------|----------|-----------|-----------|
|  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Intestine Small, Jejunum<br/>Inflammation Acute</b> |           |          |          |           |           |
| <b>LESION RATES</b>                                    |           |          |          |           |           |
| OVERALL (a)  | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)  | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                                     | 12.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)   | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE  | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                               |           |          |          |           |           |
| POLY 3   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                                     | P=0.340N  | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3   | (e)       | (e)      | (e)      | (e)       | P=0.158N  |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males     |          |            |           |           |
|--------------------------|-----------|----------|------------|-----------|-----------|
|                          | CONTROL   | 25 UG/ML | 50 UG/ML   | 100 UG/ML | 250 UG/ML |
| <b>Kidney</b>            |           |          |            |           |           |
| <b>Hydronephrosis</b>    |           |          |            |           |           |
| <b>LESION RATES</b>      |           |          |            |           |           |
| OVERALL (a)              | 2/8 (25%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 2/8.00    | 0/0.00   | 1/1.00     | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 25%       | 0%       | 100%       | 0%        | 0%        |
| TERMINAL (d)             | 2/8 (25%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | 101 (T)   | ---      | 101 (T)    | ---       | ---       |
| <b>STATISTICAL TESTS</b> |           |          |            |           |           |
| POLY 3                   | (e)       | (e)      | P=0.351    | (e)       | P=0.223N  |
| POLY 1.5                 | (e)       | (e)      | P=0.351    | (e)       | P=0.223N  |
| POLY 6                   | (e)       | (e)      | P=0.351    | (e)       | P=0.223N  |
| COCH-ARM / FISHERS       | P=0.109N  | (e)      | P=0.333    | (e)       | P=0.233N  |
| MAX-ISO-POLY-3           | (e)       | (e)      | P=0.125    | (e)       | P=0.063N  |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males    |          |          |           |           |
|--|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Kidney: Cortex<br/>Inflammation Chronic</b> |          |          |          |           |           |
| <b>LESION RATES</b>                            |          |          |          |           |           |
| OVERALL (a)                                    | 0/8 (0%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                                | 0/8.00   | 0/0.00   | 0/1.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                             | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                                   | 0/8 (0%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                                | ---      | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                       |          |          |          |           |           |
| POLY 3   | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                                       | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6   | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                             | P=0.324  | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                                 | (e)      | (e)      | (e)      | (e)       | P=0.158   |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                     | Males    |          |          |           |           |
|--|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Kidney: Cortex<br/>Mineralization</b> |          |          |          |           |           |
| <b>LESION RATES</b>                      |          |          |          |           |           |
| OVERALL (a)                              | 0/8 (0%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                          | 0/8.00   | 0/0.00   | 0/1.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                             | 0/8 (0%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                          | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                 |          |          |          |           |           |
| POLY 3                                   | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                                 | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                                   | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                       | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                           | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Acrylamide  
CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
Time Report Requested: 15:04:22  
First Dose M/F: 07/12/04 / 07/12/04  
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males    |          |          |           |           |
|--------------------------|----------|----------|----------|-----------|-----------|
|                          | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| Liver<br>Granuloma       |          |          |          |           |           |
| <b>LESION RATES</b>      |          |          |          |           |           |
| OVERALL (a)              | 0/8 (0%) | 0/1 (0%) | 0/0 (0%) | 0/1 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 0/8.00   | 0/1.00   | 0/0.00   | 0/1.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 0/8 (0%) | 0/1 (0%) | 0/0 (0%) | 0/1 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |          |          |          |           |           |
| POLY 3                   | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                 | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                   | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS       | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3           | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                    | Males    |          |          |           |           |
|---|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Liver</b>                            |          |          |          |           |           |
| <b>Hematopoietic Cell Proliferation</b> |          |          |          |           |           |
| <b>LESION RATES</b>                     |          |          |          |           |           |
| OVERALL (a)                             | 0/8 (0%) | 0/1 (0%) | 0/0 (0%) | 0/1 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                         | 0/8.00   | 0/1.00   | 0/0.00   | 0/1.00    | 1/8.00    |
| POLY-3 PERCENT (g)                      | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                            | 0/8 (0%) | 0/1 (0%) | 0/0 (0%) | 0/1 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                         | ---      | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                |          |          |          |           |           |
| POLY 3                                  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                                | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6                                  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                      | P=0.313  | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                          | (e)      | (e)      | (e)      | (e)       | P=0.158   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males     |          |          |           |           |
|--------------------------|-----------|----------|----------|-----------|-----------|
|                          | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Liver</b>             |           |          |          |           |           |
| <b>Necrosis Focal</b>    |           |          |          |           |           |
| <b>LESION RATES</b>      |           |          |          |           |           |
| OVERALL (a)              | 1/8 (13%) | 0/1 (0%) | 0/0 (0%) | 0/1 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 1/8.00    | 0/1.00   | 0/0.00   | 0/1.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 12.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 1/8 (13%) | 0/1 (0%) | 0/0 (0%) | 0/1 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |           |          |          |           |           |
| POLY 3                   | (e)       | P=0.878N | (e)      | P=0.878N  | P=0.500N  |
| POLY 1.5                 | (e)       | P=0.878N | (e)      | P=0.878N  | P=0.500N  |
| POLY 6                   | (e)       | P=0.878N | (e)      | P=0.878N  | P=0.500N  |
| COCH-ARM / FISHERS       | P=0.356N  | P=0.889N | (e)      | P=0.889N  | P=0.500N  |
| MAX-ISO-POLY-3           | (e)       | P=0.399N | (e)      | P=0.399N  | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males    |            |          |            |           |
|--|----------|------------|----------|------------|-----------|
|  | CONTROL  | 25 UG/ML   | 50 UG/ML | 100 UG/ML  | 250 UG/ML |
| <b>Liver: Left Lateral Lobe<br/>Developmental Malformation</b> |          |            |          |            |           |
| <b>LESION RATES</b>  |          |            |          |            |           |
| OVERALL (a)  | 0/8 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 1/8 (13%) |
| POLY-3 RATE (b)  | 0/8.00   | 1/1.00     | 0/0.00   | 1/1.00     | 1/8.00    |
| POLY-3 PERCENT (g)   | 0%       | 100%       | 0%       | 100%       | 12.5%     |
| TERMINAL (d)   | 0/8 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 1/8 (13%) |
| FIRST INCIDENCE  | ---      | 101 (T)    | ---      | 101 (T)    | 101 (T)   |
| <b>STATISTICAL TESTS</b>                                       |          |            |          |            |           |
| POLY 3   | (e)      | P=0.111    | (e)      | P=0.111    | P=0.500   |
| POLY 1.5   | (e)      | P=0.111    | (e)      | P=0.111    | P=0.500   |
| POLY 6   | (e)      | P=0.111    | (e)      | P=0.111    | P=0.500   |
| COCH-ARM / FISHERS   | P=0.612  | P=0.111    | (e)      | P=0.111    | P=0.500   |
| MAX-ISO-POLY-3   | (e)      | P<0.001**  | (e)      | P<0.001**  | P=0.158   |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                               | Males     |          |          |           |           |
|------------------------------------|-----------|----------|----------|-----------|-----------|
|                                    | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Lung: Artery Mineralization</b> |           |          |          |           |           |
| <b>LESION RATES</b>                |           |          |          |           |           |
| OVERALL (a)                        | 3/8 (38%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                    | 3/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                 | 37.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                       | 3/8 (38%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                    | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>           |           |          |          |           |           |
| POLY 3                             | (e)       | (e)      | (e)      | (e)       | P=0.086N  |
| POLY 1.5                           | (e)       | (e)      | (e)      | (e)       | P=0.086N  |
| POLY 6                             | (e)       | (e)      | (e)      | (e)       | P=0.086N  |
| COCH-ARM / FISHERS                 | P=0.062N  | (e)      | (e)      | (e)       | P=0.100N  |
| MAX-ISO-POLY-3                     | (e)       | (e)      | (e)      | (e)       | P=0.020N* |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males     |          |          |           |           |
|--|-----------|----------|----------|-----------|-----------|
|  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Lymph Node, Mesenteric<br/>Hyperplasia Lymphoid</b> |           |          |          |           |           |
| <b>LESION RATES</b>                                    |           |          |          |           |           |
| OVERALL (a)  | 3/8 (38%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)  | 3/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                                     | 37.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)   | 3/8 (38%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE  | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                               |           |          |          |           |           |
| POLY 3   | (e)       | (e)      | (e)      | (e)       | P=0.086N  |
| POLY 1.5   | (e)       | (e)      | (e)      | (e)       | P=0.086N  |
| POLY 6   | (e)       | (e)      | (e)      | (e)       | P=0.086N  |
| COCH-ARM / FISHERS                                     | P=0.062N  | (e)      | (e)      | (e)       | P=0.100N  |
| MAX-ISO-POLY-3   | (e)       | (e)      | (e)      | (e)       | P=0.020N* |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                               | Males    |          |          |           |           |
|------------------------------------|----------|----------|----------|-----------|-----------|
|                                    | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Mesentery: Fat<br/>Necrosis</b> |          |          |          |           |           |
| <b>LESION RATES</b>                |          |          |          |           |           |
| OVERALL (a)                        | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/0 (0%)  |
| POLY-3 RATE (b)                    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/0.00    |
| POLY-3 PERCENT (g)                 | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                       | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/0 (0%)  |
| FIRST INCIDENCE                    | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>           |          |          |          |           |           |
| POLY 3                             | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                           | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                             | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                 | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                     | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males    |          |          |           |           |
|--------------------------|----------|----------|----------|-----------|-----------|
|                          | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Nose Inflammation</b> |          |          |          |           |           |
| <b>LESION RATES</b>      |          |          |          |           |           |
| OVERALL (a)              | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |          |          |          |           |           |
| POLY 3                   | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                 | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                   | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS       | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3           | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                 | Males     |          |          |           |           |
|--------------------------------------|-----------|----------|----------|-----------|-----------|
|                                      | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Nose: Goblet Cell Hyperplasia</b> |           |          |          |           |           |
| <b>LESION RATES</b>                  |           |          |          |           |           |
| OVERALL (a)                          | 4/8 (50%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 5/8 (63%) |
| POLY-3 RATE (b)                      | 4/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 5/8.00    |
| POLY-3 PERCENT (g)                   | 50%       | 0%       | 0%       | 0%        | 62.5%     |
| TERMINAL (d)                         | 4/8 (50%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 5/8 (63%) |
| FIRST INCIDENCE                      | 101 (T)   | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>             |           |          |          |           |           |
| POLY 3                               | (e)       | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                             | (e)       | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6                               | (e)       | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                   | P=0.420   | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                       | (e)       | (e)      | (e)      | (e)       | P=0.316   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                       | Males     |          |          |           |            |
|--|-----------|----------|----------|-----------|------------|
|  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Peripheral Nerve: Axon Degeneration</b> |           |          |          |           |            |
| <b>LESION RATES</b>                        |           |          |          |           |            |
| OVERALL (a)                                | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                            | 0/8.00    | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                         | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                               | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                            | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b>                   |           |          |          |           |            |
| POLY 3                                     | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                                     | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                         | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                             | (e)       | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males     |          |          |           |            |
|--|-----------|----------|----------|-----------|------------|
|  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Peripheral Nerve: Schwann Cell Degeneration</b> |           |          |          |           |            |
| <b>LESION RATES</b>                                |           |          |          |           |            |
| OVERALL (a)  | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                                    | 0/8.00    | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                                 | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                                       | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                                    | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b>                           |           |          |          |           |            |
| POLY 3   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                                 | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                                     | (e)       | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males    |          |          |           |           |
|--|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Pituitary Gland: Pars Distalis<br/>Cyst</b> |          |          |          |           |           |
| <b>LESION RATES</b>                            |          |          |          |           |           |
| OVERALL (a)                                    | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                                | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                             | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                                   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                                | ---      | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                       |          |          |          |           |           |
| POLY 3   | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                                       | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6   | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                             | P=0.340  | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                                 | (e)      | (e)      | (e)      | (e)       | P=0.158   |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                | Males     |            |          |           |           |
|-------------------------------------|-----------|------------|----------|-----------|-----------|
|                                     | CONTROL   | 25 UG/ML   | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Preputial Gland Inflammation</b> |           |            |          |           |           |
| <b>LESION RATES</b>                 |           |            |          |           |           |
| OVERALL (a)                         | 3/8 (38%) | 1/1 (100%) | 0/0 (0%) | 0/1 (0%)  | 4/8 (50%) |
| POLY-3 RATE (b)                     | 3/8.00    | 1/1.00     | 0/0.00   | 0/1.00    | 4/8.00    |
| POLY-3 PERCENT (g)                  | 37.5%     | 100%       | 0%       | 0%        | 50%       |
| TERMINAL (d)                        | 3/8 (38%) | 1/1 (100%) | 0/0 (0%) | 0/1 (0%)  | 4/8 (50%) |
| FIRST INCIDENCE                     | 101 (T)   | 101 (T)    | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>            |           |            |          |           |           |
| POLY 3                              | (e)       | P=0.455    | (e)      | P=0.634N  | P=0.500   |
| POLY 1.5                            | (e)       | P=0.455    | (e)      | P=0.634N  | P=0.500   |
| POLY 6                              | (e)       | P=0.455    | (e)      | P=0.634N  | P=0.500   |
| COCH-ARM / FISHERS                  | P=0.491   | P=0.444    | (e)      | P=0.667N  | P=0.500   |
| MAX-ISO-POLY-3                      | (e)       | P=0.196    | (e)      | P=0.303N  | P=0.316   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males     |          |          |            |           |
|---|-----------|----------|----------|------------|-----------|
|   | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML  | 250 UG/ML |
| <b>Preputial Gland<br/>Inflammation Chronic</b> |           |          |          |            |           |
| <b>LESION RATES</b>                             |           |          |          |            |           |
| OVERALL (a)                                     | 4/8 (50%) | 0/1 (0%) | 0/0 (0%) | 1/1 (100%) | 2/8 (25%) |
| POLY-3 RATE (b)                                 | 4/8.00    | 0/1.00   | 0/0.00   | 1/1.00     | 2/8.00    |
| POLY-3 PERCENT (g)                              | 50%       | 0%       | 0%       | 100%       | 25%       |
| TERMINAL (d)                                    | 4/8 (50%) | 0/1 (0%) | 0/0 (0%) | 1/1 (100%) | 2/8 (25%) |
| FIRST INCIDENCE                                 | 101 (T)   | ---      | ---      | 101 (T)    | 101 (T)   |
| <b>STATISTICAL TESTS</b>                        |           |          |          |            |           |
| POLY 3  | (e)       | P=0.544N | (e)      | P=0.544    | P=0.309N  |
| POLY 1.5  | (e)       | P=0.544N | (e)      | P=0.544    | P=0.309N  |
| POLY 6  | (e)       | P=0.544N | (e)      | P=0.544    | P=0.309N  |
| COCH-ARM / FISHERS                              | P=0.271N  | P=0.556N | (e)      | P=0.556    | P=0.304N  |
| MAX-ISO-POLY-3                                  | (e)       | P=0.254N | (e)      | P=0.254    | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                         | Males    |          |          |           |           |
|------------------------------|----------|----------|----------|-----------|-----------|
|                              | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Prostate Inflammation</b> |          |          |          |           |           |
| <b>LESION RATES</b>          |          |          |          |           |           |
| OVERALL (a)                  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 2/8 (25%) |
| POLY-3 RATE (b)              | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 2/8.00    |
| POLY-3 PERCENT (g)           | 0%       | 0%       | 0%       | 0%        | 25%       |
| TERMINAL (d)                 | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 2/8 (25%) |
| FIRST INCIDENCE              | ---      | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>     |          |          |          |           |           |
| POLY 3                       | (e)      | (e)      | (e)      | (e)       | P=0.223   |
| POLY 1.5                     | (e)      | (e)      | (e)      | (e)       | P=0.223   |
| POLY 6                       | (e)      | (e)      | (e)      | (e)       | P=0.223   |
| COCH-ARM / FISHERS           | P=0.145  | (e)      | (e)      | (e)       | P=0.233   |
| MAX-ISO-POLY-3               | (e)      | (e)      | (e)      | (e)       | P=0.063   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                     | Males     |          |          |           |           |
|--|-----------|----------|----------|-----------|-----------|
|  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Prostate<br/>Inflammation Chronic</b> |           |          |          |           |           |
| <b>LESION RATES</b>                      |           |          |          |           |           |
| OVERALL (a)                              | 2/8 (25%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                          | 2/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                       | 25%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                             | 2/8 (25%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                          | 101 (T)   | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                 |           |          |          |           |           |
| POLY 3                                   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5                                 | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6                                   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                       | P=0.399N  | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                           | (e)       | (e)      | (e)      | (e)       | P=0.272N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                             | Males     |          |          |           |           |
|----------------------------------|-----------|----------|----------|-----------|-----------|
|                                  | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Seminal Vesicle</b>           |           |          |          |           |           |
| <b>Decreased Secretory Fluid</b> |           |          |          |           |           |
| <b>LESION RATES</b>              |           |          |          |           |           |
| OVERALL (a)                      | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                  | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)               | 12.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                     | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                  | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>         |           |          |          |           |           |
| POLY 3                           | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5                         | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6                           | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS               | P=0.340N  | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                   | (e)       | (e)      | (e)      | (e)       | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                              | Males     |          |          |           |           |
|-----------------------------------|-----------|----------|----------|-----------|-----------|
|                                   | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Seminal Vesicle Dilatation</b> |           |          |          |           |           |
| <b>LESION RATES</b>               |           |          |          |           |           |
| OVERALL (a)                       | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                   | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                | 12.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                      | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                   | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>          |           |          |          |           |           |
| POLY 3                            | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5                          | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6                            | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                | P=0.340N  | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                    | (e)       | (e)      | (e)      | (e)       | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                           | Males     |          |          |           |           |
|--------------------------------|-----------|----------|----------|-----------|-----------|
|                                | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Skeletal Muscle Atrophy</b> |           |          |          |           |           |
| <b>LESION RATES</b>            |           |          |          |           |           |
| OVERALL (a)                    | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 6/8 (75%) |
| POLY-3 RATE (b)                | 0/8.00    | 0/0.00   | 0/0.00   | 0/8.00    | 6/8.00    |
| POLY-3 PERCENT (g)             | 0%        | 0%       | 0%       | 0%        | 75%       |
| TERMINAL (d)                   | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 6/8 (75%) |
| FIRST INCIDENCE                | ---       | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>       |           |          |          |           |           |
| POLY 3                         | (e)       | (e)      | (e)      | (e)       | P<0.001** |
| POLY 1.5                       | (e)       | (e)      | (e)      | (e)       | P<0.001** |
| POLY 6                         | (e)       | (e)      | (e)      | (e)       | P<0.001** |
| COCH-ARM / FISHERS             | P<0.001** | (e)      | (e)      | (e)       | P=0.003** |
| MAX-ISO-POLY-3                 | (e)       | (e)      | (e)      | (e)       | P<0.001** |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Males    |          |          |           |           |
|--|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Spinal Cord, Lumbar<br/>Cyst Epithelial Inclusion</b> |          |          |          |           |           |
| <b>LESION RATES</b>                                      |          |          |          |           |           |
| OVERALL (a)  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)  | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                                       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE  | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                                 |          |          |          |           |           |
| POLY 3   | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5   | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6   | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                                       | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3   | (n)      | (n)      | (n)      | (n)       | (n)       |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males     |          |          |           |            |
|---|-----------|----------|----------|-----------|------------|
|   | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Spinal Cord, Lumbar: Axon Degeneration</b> |           |          |          |           |            |
| <b>LESION RATES</b>                           |           |          |          |           |            |
| OVERALL (a)                                   | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                               | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 8/8.00     |
| POLY-3 PERCENT (g)                            | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                                  | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                               | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b>                      |           |          |          |           |            |
| POLY 3  | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                      | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6  | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                            | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                                | (e)       | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males    |          |          |           |           |
|---|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Spinal Cord, Thoracic: Axon Degeneration</b> |          |          |          |           |           |
| <b>LESION RATES</b>                             |          |          |          |           |           |
| OVERALL (a)                                     | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                                 | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                              | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                                    | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                                 | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                        |          |          |          |           |           |
| POLY 3  | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5  | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6  | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                              | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                                  | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males     |          |          |           |           |
|--------------------------|-----------|----------|----------|-----------|-----------|
|                          | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Spleen Congestion</b> |           |          |          |           |           |
| <b>LESION RATES</b>      |           |          |          |           |           |
| OVERALL (a)              | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 7/8 (88%) |
| POLY-3 RATE (b)          | 0/8.00    | 0/0.00   | 0/0.00   | 0/8.00    | 7/8.00    |
| POLY-3 PERCENT (g)       | 0%        | 0%       | 0%       | 0%        | 87.5%     |
| TERMINAL (d)             | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 7/8 (88%) |
| FIRST INCIDENCE          | ---       | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b> |           |          |          |           |           |
| POLY 3                   | (e)       | (e)      | (e)      | (e)       | P<0.001** |
| POLY 1.5                 | (e)       | (e)      | (e)      | (e)       | P<0.001** |
| POLY 6                   | (e)       | (e)      | (e)      | (e)       | P<0.001** |
| COCH-ARM / FISHERS       | P<0.001** | (e)      | (e)      | (e)       | P<0.001** |
| MAX-ISO-POLY-3           | (e)       | (e)      | (e)      | (e)       | P<0.001** |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                       | Males     |          |          |           |            |
|----------------------------|-----------|----------|----------|-----------|------------|
|                            | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Spleen Pigmentation</b> |           |          |          |           |            |
| <b>LESION RATES</b>        |           |          |          |           |            |
| OVERALL (a)                | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)            | 0/8.00    | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)         | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)               | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE            | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b>   |           |          |          |           |            |
| POLY 3                     | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                   | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                     | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS         | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3             | (e)       | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males     |          |           |            |            |
|---|-----------|----------|-----------|------------|------------|
|   | CONTROL   | 25 UG/ML | 50 UG/ML  | 100 UG/ML  | 250 UG/ML  |
| <b>Testes: Germinal Epithelium Degeneration</b> |           |          |           |            |            |
| <b>LESION RATES</b>                             |           |          |           |            |            |
| OVERALL (a)                                     | 0/8 (0%)  | 0/8 (0%) | 5/8 (63%) | 8/8 (100%) | 8/8 (100%) |
| POLY-3 RATE (b)                                 | 0/8.00    | 0/8.00   | 5/8.00    | 8/8.00     | 8/8.00     |
| POLY-3 PERCENT (g)                              | 0%        | 0%       | 62.5%     | 100%       | 100%       |
| TERMINAL (d)                                    | 0/8 (0%)  | 0/8 (0%) | 5/8 (63%) | 8/8 (100%) | 8/8 (100%) |
| FIRST INCIDENCE                                 | ---       | ---      | 101 (T)   | 101 (T)    | 101 (T)    |
| <b>STATISTICAL TESTS</b>                        |           |          |           |            |            |
| POLY 3  | P<0.001** | (e)      | P=0.003** | P<0.001**  | P<0.001**  |
| POLY 1.5  | P<0.001** | (e)      | P=0.003** | P<0.001**  | P<0.001**  |
| POLY 6  | P<0.001** | (e)      | P=0.003** | P<0.001**  | P<0.001**  |
| COCH-ARM / FISHERS                              | P<0.001** | (e)      | P=0.013*  | P<0.001**  | P<0.001**  |
| MAX-ISO-POLY-3                                  | P<0.001** | (e)      | P<0.001** | (e)        | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

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

Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Males     |          |          |           |           |
|--------------------------|-----------|----------|----------|-----------|-----------|
|                          | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Thymus Hemorrhage</b> |           |          |          |           |           |
| <b>LESION RATES</b>      |           |          |          |           |           |
| OVERALL (a)              | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 12.5%     | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | 101 (T)   | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |           |          |          |           |           |
| POLY 3                   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5                 | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6                   | (e)       | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS       | P=0.340N  | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3           | (e)       | (e)      | (e)      | (e)       | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Males    |          |          |           |           |
|---|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Thyroid Gland<br/>Inflammation Chronic</b> |          |          |          |           |           |
| <b>LESION RATES</b>                           |          |          |          |           |           |
| OVERALL (a)                                   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                               | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                            | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                                  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                               | ---      | ---      | ---      | ---       | 101 (T)   |
| <b>STATISTICAL TESTS</b>                      |          |          |          |           |           |
| POLY 3  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                                      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                            | P=0.340  | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                                | (e)      | (e)      | (e)      | (e)       | P=0.158   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                              | Males     |          |          |           |            |
|-----------------------------------|-----------|----------|----------|-----------|------------|
|                                   | CONTROL   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Urinary Bladder Dilatation</b> |           |          |          |           |            |
| <b>LESION RATES</b>               |           |          |          |           |            |
| OVERALL (a)                       | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                   | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00    | 8/8.00     |
| POLY-3 PERCENT (g)                | 0%        | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                      | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                   | ---       | ---      | ---      | ---       | 101 (T)    |
| <b>STATISTICAL TESTS</b>          |           |          |          |           |            |
| POLY 3                            | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                          | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                            | (e)       | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                | P<0.001** | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                    | (e)       | (e)      | (e)      | (e)       | (e)        |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females   |          |          |          |           |            |
|--|-----------|----------|----------|----------|-----------|------------|
|  | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Bone Marrow: Erythroid Cell Hyperplasia</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>                            |           |          |          |          |           |            |
| OVERALL (a)                                    | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                                | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                             | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                                   | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                                | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b>                       |           |          |          |          |           |            |
| POLY 3   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                       | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                             | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                                 | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                               | Females   |          |          |          |           |           |
|------------------------------------|-----------|----------|----------|----------|-----------|-----------|
|                                    | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Clitoral Gland Inflammation</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>                |           |          |          |          |           |           |
| OVERALL (a)                        | 3/8 (38%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                    | 3/8.00    | 0/0.00   | 0/1.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                 | 37.5%     | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                       | 3/8 (38%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                    | 102 (T)   | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>           |           |          |          |          |           |           |
| POLY 3                             | (e)       | (e)      | P=0.634N | (e)      | (e)       | P=0.086N  |
| POLY 1.5                           | (e)       | (e)      | P=0.634N | (e)      | (e)       | P=0.086N  |
| POLY 6                             | (e)       | (e)      | P=0.634N | (e)      | (e)       | P=0.086N  |
| COCH-ARM / FISHERS                 | P=0.073N  | (e)      | P=0.667N | (e)      | (e)       | P=0.100N  |
| MAX-ISO-POLY-3                     | (e)       | (e)      | P=0.303N | (e)      | (e)       | P=0.020N* |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females   |          |            |          |           |           |
|--|-----------|----------|------------|----------|-----------|-----------|
|  | CONTROL   | 10 UG/ML | 25 UG/ML   | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Clitoral Gland<br/>Inflammation Chronic</b> |           |          |            |          |           |           |
| <b>LESION RATES</b>                            |           |          |            |          |           |           |
| OVERALL (a)                                    | 5/8 (63%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%)  | 6/8 (75%) |
| POLY-3 RATE (b)                                | 5/8.00    | 0/0.00   | 1/1.00     | 0/0.00   | 0/0.00    | 6/8.00    |
| POLY-3 PERCENT (g)                             | 62.5%     | 0%       | 100%       | 0%       | 0%        | 75%       |
| TERMINAL (d)                                   | 5/8 (63%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%)  | 6/8 (75%) |
| FIRST INCIDENCE                                | 102 (T)   | ---      | 102 (T)    | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                       |           |          |            |          |           |           |
| POLY 3   | (e)       | (e)      | P=0.634    | (e)      | (e)       | P=0.500   |
| POLY 1.5                                       | (e)       | (e)      | P=0.634    | (e)      | (e)       | P=0.500   |
| POLY 6   | (e)       | (e)      | P=0.634    | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                             | P=0.465   | (e)      | P=0.667    | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                                 | (e)       | (e)      | P=0.303    | (e)      | (e)       | P=0.304   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Females   |          |          |          |           |           |
|---|-----------|----------|----------|----------|-----------|-----------|
|   | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Harderian Gland<br/>Inflammation Chronic</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>                             |           |          |          |          |           |           |
| OVERALL (a)                                     | 2/8 (25%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                                 | 2/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                              | 25%       | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                                    | 2/8 (25%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                                 | 102 (T)   | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                        |           |          |          |          |           |           |
| POLY 3  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                              | P=0.399N  | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                                  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.272N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                              | Females   |          |          |          |           |           |
|-----------------------------------|-----------|----------|----------|----------|-----------|-----------|
|                                   | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Heart: Artery Inflammation</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>               |           |          |          |          |           |           |
| OVERALL (a)                       | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                   | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                | 12.5%     | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                      | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                   | 102 (T)   | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>          |           |          |          |          |           |           |
| POLY 3                            | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5                          | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6                            | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                | P=0.340N  | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                    | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Females   |          |          |          |           |           |
|---|-----------|----------|----------|----------|-----------|-----------|
|   | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Heart: Myocardium<br/>Inflammation Focal</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>                             |           |          |          |          |           |           |
| OVERALL (a)                                     | 5/8 (63%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 2/8 (25%) |
| POLY-3 RATE (b)                                 | 5/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 2/8.00    |
| POLY-3 PERCENT (g)                              | 62.5%     | 0%       | 0%       | 0%       | 0%        | 25%       |
| TERMINAL (d)                                    | 5/8 (63%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 2/8 (25%) |
| FIRST INCIDENCE                                 | 102 (T)   | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                        |           |          |          |          |           |           |
| POLY 3  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.154N  |
| POLY 1.5  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.154N  |
| POLY 6  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.154N  |
| COCH-ARM / FISHERS                              | P=0.113N  | (e)      | (e)      | (e)      | (e)       | P=0.157N  |
| MAX-ISO-POLY-3                                  | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.063N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females  |          |          |          |           |           |
|--|----------|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Intestine Small, Jejunum<br/>Inflammation Acute</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                                    |          |          |          |          |           |           |
| OVERALL (a)  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)  | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                                     | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE  | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                               |          |          |          |          |           |           |
| POLY 3   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                                     | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females  |          |          |          |           |           |
|--------------------------|----------|----------|----------|----------|-----------|-----------|
|                          | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Kidney</b>            |          |          |          |          |           |           |
| <b>Hydronephrosis</b>    |          |          |          |          |           |           |
| <b>LESION RATES</b>      |          |          |          |          |           |           |
| OVERALL (a)              | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |          |          |          |          |           |           |
| POLY 3                   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                 | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS       | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3           | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females   |          |          |          |           |           |
|--|-----------|----------|----------|----------|-----------|-----------|
|  | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Kidney: Cortex<br/>Inflammation Chronic</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>                            |           |          |          |          |           |           |
| OVERALL (a)                                    | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                                | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 1/8.00    |
| POLY-3 PERCENT (g)                             | 12.5%     | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                                   | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                                | 102 (T)   | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                       |           |          |          |          |           |           |
| POLY 3   | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.760   |
| POLY 1.5                                       | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.760   |
| POLY 6   | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.760   |
| COCH-ARM / FISHERS                             | P=0.675   | (e)      | (e)      | (e)      | (e)       | P=0.767N  |
| MAX-ISO-POLY-3                                 | (e)       | (e)      | (e)      | (e)      | (e)       | P=1.000   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                 | Females    |          |          |          |           |            |
|--------------------------------------|------------|----------|----------|----------|-----------|------------|
|                                      | CONTROL    | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Kidney: Cortex Mineralization</b> |            |          |          |          |           |            |
| <b>LESION RATES</b>                  |            |          |          |          |           |            |
| OVERALL (a)                          | 8/8 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)   |
| POLY-3 RATE (b)                      | 8/8.00     | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00     |
| POLY-3 PERCENT (g)                   | 100%       | 0%       | 0%       | 0%       | 0%        | 0%         |
| TERMINAL (d)                         | 8/8 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)   |
| FIRST INCIDENCE                      | 102 (T)    | ---      | ---      | ---      | ---       | ---        |
| <b>STATISTICAL TESTS</b>             |            |          |          |          |           |            |
| POLY 3                               | (e)        | (e)      | (e)      | (e)      | (e)       | P<0.001N** |
| POLY 1.5                             | (e)        | (e)      | (e)      | (e)      | (e)       | P<0.001N** |
| POLY 6                               | (e)        | (e)      | (e)      | (e)      | (e)       | P<0.001N** |
| COCH-ARM / FISHERS                   | P<0.001N** | (e)      | (e)      | (e)      | (e)       | P<0.001N** |
| MAX-ISO-POLY-3                       | (e)        | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females   |          |          |          |           |           |
|--------------------------|-----------|----------|----------|----------|-----------|-----------|
|                          | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Liver</b>             |           |          |          |          |           |           |
| <b>Granuloma</b>         |           |          |          |          |           |           |
| <b>LESION RATES</b>      |           |          |          |          |           |           |
| OVERALL (a)              | 1/8 (13%) | 0/1 (0%) | 0/3 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 1/8.00    | 0/1.00   | 0/3.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 12.5%     | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 1/8 (13%) | 0/1 (0%) | 0/3 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | 102 (T)   | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |           |          |          |          |           |           |
| POLY 3                   | (e)       | P=0.878N | P=0.689N | (e)      | (e)       | P=0.500N  |
| POLY 1.5                 | (e)       | P=0.878N | P=0.689N | (e)      | (e)       | P=0.500N  |
| POLY 6                   | (e)       | P=0.878N | P=0.689N | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS       | P=0.401N  | P=0.889N | P=0.727N | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3           | (e)       | P=0.399N | P=0.310N | (e)      | (e)       | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                    | Females  |          |          |          |           |           |
|---|----------|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Liver</b>                            |          |          |          |          |           |           |
| <b>Hematopoietic Cell Proliferation</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                     |          |          |          |          |           |           |
| OVERALL (a)                             | 0/8 (0%) | 0/1 (0%) | 0/3 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                         | 0/8.00   | 0/1.00   | 0/3.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                      | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                            | 0/8 (0%) | 0/1 (0%) | 0/3 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                         | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                |          |          |          |          |           |           |
| POLY 3                                  | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                                | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                                  | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                      | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                          | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females   |          |          |          |           |           |
|--------------------------|-----------|----------|----------|----------|-----------|-----------|
|                          | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Liver</b>             |           |          |          |          |           |           |
| <b>Necrosis Focal</b>    |           |          |          |          |           |           |
| <b>LESION RATES</b>      |           |          |          |          |           |           |
| OVERALL (a)              | 2/8 (25%) | 0/1 (0%) | 0/3 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 2/8.00    | 0/1.00   | 0/3.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 25%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 2/8 (25%) | 0/1 (0%) | 0/3 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | 102 (T)   | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |           |          |          |          |           |           |
| POLY 3                   | (e)       | P=0.738N | P=0.470N | (e)      | (e)       | P=0.223N  |
| POLY 1.5                 | (e)       | P=0.738N | P=0.470N | (e)      | (e)       | P=0.223N  |
| POLY 6                   | (e)       | P=0.738N | P=0.470N | (e)      | (e)       | P=0.223N  |
| COCH-ARM / FISHERS       | P=0.202N  | P=0.778N | P=0.509N | (e)      | (e)       | P=0.233N  |
| MAX-ISO-POLY-3           | (e)       | P=0.349N | P=0.226N | (e)      | (e)       | P=0.063N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females   |            |            |          |           |           |
|--|-----------|------------|------------|----------|-----------|-----------|
|  | CONTROL   | 10 UG/ML   | 25 UG/ML   | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Liver: Left Lateral Lobe<br/>Developmental Malformation</b> |           |            |            |          |           |           |
| <b>LESION RATES</b>  |           |            |            |          |           |           |
| OVERALL (a)  | 2/8 (25%) | 1/1 (100%) | 3/3 (100%) | 0/0 (0%) | 0/0 (0%)  | 3/8 (38%) |
| POLY-3 RATE (b)  | 2/8.00    | 1/1.00     | 3/3.00     | 0/0.00   | 0/0.00    | 3/8.00    |
| POLY-3 PERCENT (g)   | 25%       | 100%       | 100%       | 0%       | 0%        | 37.5%     |
| TERMINAL (d)   | 2/8 (25%) | 1/1 (100%) | 3/3 (100%) | 0/0 (0%) | 0/0 (0%)  | 3/8 (38%) |
| FIRST INCIDENCE  | 102 (T)   | 102 (T)    | 102 (T)    | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                                       |           |            |            |          |           |           |
| POLY 3   | (e)       | P=0.351    | P=0.030*   | (e)      | (e)       | P=0.500   |
| POLY 1.5   | (e)       | P=0.351    | P=0.030*   | (e)      | (e)       | P=0.500   |
| POLY 6   | (e)       | P=0.351    | P=0.030*   | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS   | P=0.458N  | P=0.333    | P=0.061    | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3   | (e)       | P=0.125    | P=0.012*   | (e)      | (e)       | P=0.304   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                               | Females   |          |          |          |           |           |
|------------------------------------|-----------|----------|----------|----------|-----------|-----------|
|                                    | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Lung: Artery Mineralization</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>                |           |          |          |          |           |           |
| OVERALL (a)                        | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                    | 1/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                 | 12.5%     | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                       | 1/8 (13%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                    | 102 (T)   | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>           |           |          |          |          |           |           |
| POLY 3                             | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 1.5                           | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| POLY 6                             | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| COCH-ARM / FISHERS                 | P=0.340N  | (e)      | (e)      | (e)      | (e)       | P=0.500N  |
| MAX-ISO-POLY-3                     | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.158N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females  |          |          |          |           |           |
|--|----------|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Lymph Node, Mesenteric<br/>Hyperplasia Lymphoid</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                                    |          |          |          |          |           |           |
| OVERALL (a)  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)  | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                                     | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE  | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                               |          |          |          |          |           |           |
| POLY 3   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                                     | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |



Experiment Number: 20313 - 01  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Acrylamide  
CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
Time Report Requested: 15:04:22  
First Dose M/F: 07/12/04 / 07/12/04  
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                               | Females  |            |          |          |           |           |
|------------------------------------|----------|------------|----------|----------|-----------|-----------|
|                                    | CONTROL  | 10 UG/ML   | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Mesentery: Fat<br/>Necrosis</b> |          |            |          |          |           |           |
| <b>LESION RATES</b>                |          |            |          |          |           |           |
| OVERALL (a)                        | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/0 (0%)  |
| POLY-3 RATE (b)                    | 0/0.00   | 1/1.00     | 0/0.00   | 0/0.00   | 0/0.00    | 0/0.00    |
| POLY-3 PERCENT (g)                 | 0%       | 100%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                       | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/0 (0%)  |
| FIRST INCIDENCE                    | ---      | 102 (T)    | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>           |          |            |          |          |           |           |
| POLY 3                             | (e)      | (e)        | (e)      | (e)      | (e)       | (e)       |
| POLY 1.5                           | (e)      | (e)        | (e)      | (e)      | (e)       | (e)       |
| POLY 6                             | (e)      | (e)        | (e)      | (e)      | (e)       | (e)       |
| COCH-ARM / FISHERS                 | (e)      | (e)        | (e)      | (e)      | (e)       | (e)       |
| MAX-ISO-POLY-3                     | (e)      | (e)        | (e)      | (e)      | (e)       | (e)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females   |          |          |          |           |           |
|--------------------------|-----------|----------|----------|----------|-----------|-----------|
|                          | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Nose Inflammation</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>      |           |          |          |          |           |           |
| OVERALL (a)              | 2/8 (25%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 2/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 25%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 2/8 (25%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | 102 (T)   | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |           |          |          |          |           |           |
| POLY 3                   | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.223N  |
| POLY 1.5                 | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.223N  |
| POLY 6                   | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.223N  |
| COCH-ARM / FISHERS       | P=0.145N  | (e)      | (e)      | (e)      | (e)       | P=0.233N  |
| MAX-ISO-POLY-3           | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.063N  |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                 | Females   |          |          |          |           |           |
|--------------------------------------|-----------|----------|----------|----------|-----------|-----------|
|                                      | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Nose: Goblet Cell Hyperplasia</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>                  |           |          |          |          |           |           |
| OVERALL (a)                          | 4/8 (50%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 5/8 (63%) |
| POLY-3 RATE (b)                      | 4/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 5/8.00    |
| POLY-3 PERCENT (g)                   | 50%       | 0%       | 0%       | 0%       | 0%        | 62.5%     |
| TERMINAL (d)                         | 4/8 (50%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 5/8 (63%) |
| FIRST INCIDENCE                      | 102 (T)   | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>             |           |          |          |          |           |           |
| POLY 3                               | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                             | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6                               | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                   | P=0.420   | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                       | (e)       | (e)      | (e)      | (e)      | (e)       | P=0.316   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                             | Females  |          |          |          |           |           |
|----------------------------------|----------|----------|----------|----------|-----------|-----------|
|                                  | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Ovary: Corpus Luteum Cyst</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>              |          |          |          |          |           |           |
| OVERALL (a)                      | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)                  | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 1/8.00    |
| POLY-3 PERCENT (g)               | 0%       | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)                     | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE                  | ---      | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>         |          |          |          |          |           |           |
| POLY 3                           | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5                         | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6                           | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS               | P=0.281  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3                   | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.158   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                       | Females   |          |          |          |           |            |
|--|-----------|----------|----------|----------|-----------|------------|
|  | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Ovary: Corpus Luteum<br/>Dysgenesis</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>                        |           |          |          |          |           |            |
| OVERALL (a)                                | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                            | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                         | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                               | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                            | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b>                   |           |          |          |          |           |            |
| POLY 3                                     | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                                     | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                         | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                             | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                       | Females   |          |          |          |           |            |
|--|-----------|----------|----------|----------|-----------|------------|
|  | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Peripheral Nerve: Axon Degeneration</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>                        |           |          |          |          |           |            |
| OVERALL (a)                                | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                            | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                         | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                               | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                            | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b>                   |           |          |          |          |           |            |
| POLY 3                                     | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                                     | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                         | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                             | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females   |          |          |          |           |            |
|--|-----------|----------|----------|----------|-----------|------------|
|  | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Peripheral Nerve: Schwann Cell Degeneration</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>                                |           |          |          |          |           |            |
| OVERALL (a)  | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                                    | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)                                 | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                                       | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                                    | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b>                           |           |          |          |          |           |            |
| POLY 3   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                                 | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                                     | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                                       | Females  |          |          |          |           |           |
|--|----------|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Pituitary Gland: Pars Distalis Cyst</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                        |          |          |          |          |           |           |
| OVERALL (a)                                | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                            | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                         | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                               | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                            | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                   |          |          |          |          |           |           |
| POLY 3                                     | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                                   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                                     | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                         | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                             | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                           | Females   |          |          |          |           |           |
|--------------------------------|-----------|----------|----------|----------|-----------|-----------|
|                                | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Skeletal Muscle Atrophy</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>            |           |          |          |          |           |           |
| OVERALL (a)                    | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 7/8 (88%) |
| POLY-3 RATE (b)                | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 7/8.00    |
| POLY-3 PERCENT (g)             | 0%        | 0%       | 0%       | 0%       | 0%        | 87.5%     |
| TERMINAL (d)                   | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 7/8 (88%) |
| FIRST INCIDENCE                | ---       | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>       |           |          |          |          |           |           |
| POLY 3                         | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| POLY 1.5                       | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| POLY 6                         | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| COCH-ARM / FISHERS             | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| MAX-ISO-POLY-3                 | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE   | Females  |          |          |          |           |           |
|--|----------|----------|----------|----------|-----------|-----------|
|  | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Spinal Cord, Lumbar<br/>Cyst Epithelial Inclusion</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                                      |          |          |          |          |           |           |
| OVERALL (a)  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/4 (0%)  | 1/8 (13%) |
| POLY-3 RATE (b)  | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/4.00    | 1/8.00    |
| POLY-3 PERCENT (g)                                       | 0%       | 0%       | 0%       | 0%       | 0%        | 12.5%     |
| TERMINAL (d)   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/4 (0%)  | 1/8 (13%) |
| FIRST INCIDENCE  | ---      | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                                 |          |          |          |          |           |           |
| POLY 3   | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 1.5   | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| POLY 6   | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| COCH-ARM / FISHERS                                       | P=0.308  | (e)      | (e)      | (e)      | (e)       | P=0.500   |
| MAX-ISO-POLY-3   | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.158   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Females   |          |          |          |           |            |
|---|-----------|----------|----------|----------|-----------|------------|
|   | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Spinal Cord, Lumbar: Axon Degeneration</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>                           |           |          |          |          |           |            |
| OVERALL (a)                                   | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/4 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)                               | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/4.00    | 8/8.00     |
| POLY-3 PERCENT (g)                            | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)                                  | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/4 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE                               | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b>                      |           |          |          |          |           |            |
| POLY 3  | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                                      | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6  | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS                            | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3                                | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Females  |          |          |          |           |           |
|---|----------|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Spinal Cord, Thoracic: Axon Degeneration</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                             |          |          |          |          |           |           |
| OVERALL (a)                                     | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/4 (0%)  | 2/8 (25%) |
| POLY-3 RATE (b)                                 | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/4.00    | 2/8.00    |
| POLY-3 PERCENT (g)                              | 0%       | 0%       | 0%       | 0%       | 0%        | 25%       |
| TERMINAL (d)                                    | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/4 (0%)  | 2/8 (25%) |
| FIRST INCIDENCE                                 | ---      | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>                        |          |          |          |          |           |           |
| POLY 3  | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.223   |
| POLY 1.5  | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.223   |
| POLY 6  | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.223   |
| COCH-ARM / FISHERS                              | P=0.110  | (e)      | (e)      | (e)      | (e)       | P=0.233   |
| MAX-ISO-POLY-3                                  | (e)      | (e)      | (e)      | (e)      | (e)       | P=0.063   |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females   |          |          |          |           |            |
|--------------------------|-----------|----------|----------|----------|-----------|------------|
|                          | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Spleen Congestion</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>      |           |          |          |          |           |            |
| OVERALL (a)              | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)          | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)       | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)             | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE          | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b> |           |          |          |          |           |            |
| POLY 3                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                 | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS       | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3           | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                       | Females   |          |          |          |           |            |
|----------------------------|-----------|----------|----------|----------|-----------|------------|
|                            | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Spleen Pigmentation</b> |           |          |          |          |           |            |
| <b>LESION RATES</b>        |           |          |          |          |           |            |
| OVERALL (a)                | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)            | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)         | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)               | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE            | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b>   |           |          |          |          |           |            |
| POLY 3                     | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                     | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS         | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3             | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females  |          |          |          |           |           |
|--------------------------|----------|----------|----------|----------|-----------|-----------|
|                          | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Thymus Hemorrhage</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>      |          |          |          |          |           |           |
| OVERALL (a)              | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)             | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b> |          |          |          |          |           |           |
| POLY 3                   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                 | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6                   | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS       | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3           | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE  | Females  |          |          |          |           |           |
|---|----------|----------|----------|----------|-----------|-----------|
|   | CONTROL  | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Thyroid Gland<br/>Inflammation Chronic</b> |          |          |          |          |           |           |
| <b>LESION RATES</b>                           |          |          |          |          |           |           |
| OVERALL (a)                                   | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)                               | 0/8.00   | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 0/8.00    |
| POLY-3 PERCENT (g)                            | 0%       | 0%       | 0%       | 0%       | 0%        | 0%        |
| TERMINAL (d)                                  | 0/8 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE                               | ---      | ---      | ---      | ---      | ---       | ---       |
| <b>STATISTICAL TESTS</b>                      |          |          |          |          |           |           |
| POLY 3  | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 1.5                                      | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| POLY 6  | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| COCH-ARM / FISHERS                            | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |
| MAX-ISO-POLY-3                                | (n)      | (n)      | (n)      | (n)      | (n)       | (n)       |



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                              | Females   |          |          |          |           |           |
|-----------------------------------|-----------|----------|----------|----------|-----------|-----------|
|                                   | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML |
| <b>Urinary Bladder Dilatation</b> |           |          |          |          |           |           |
| <b>LESION RATES</b>               |           |          |          |          |           |           |
| OVERALL (a)                       | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 6/8 (75%) |
| POLY-3 RATE (b)                   | 0/8.00    | 0/0.00   | 0/0.00   | 0/0.00   | 0/0.00    | 6/8.00    |
| POLY-3 PERCENT (g)                | 0%        | 0%       | 0%       | 0%       | 0%        | 75%       |
| TERMINAL (d)                      | 0/8 (0%)  | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%)  | 6/8 (75%) |
| FIRST INCIDENCE                   | ---       | ---      | ---      | ---      | ---       | 102 (T)   |
| <b>STATISTICAL TESTS</b>          |           |          |          |          |           |           |
| POLY 3                            | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| POLY 1.5                          | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| POLY 6                            | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |
| COCH-ARM / FISHERS                | P=0.003** | (e)      | (e)      | (e)      | (e)       | P=0.003** |
| MAX-ISO-POLY-3                    | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001** |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females   |          |          |          |           |            |
|--------------------------|-----------|----------|----------|----------|-----------|------------|
|                          | CONTROL   | 10 UG/ML | 25 UG/ML | 50 UG/ML | 100 UG/ML | 250 UG/ML  |
| <b>Uterus</b>            |           |          |          |          |           |            |
| <b>Anestrus</b>          |           |          |          |          |           |            |
| <b>LESION RATES</b>      |           |          |          |          |           |            |
| OVERALL (a)              | 0/8 (0%)  | 0/1 (0%) | 0/0 (0%) | 0/1 (0%) | 0/8 (0%)  | 8/8 (100%) |
| POLY-3 RATE (b)          | 0/8.00    | 0/1.00   | 0/0.00   | 0/1.00   | 0/8.00    | 8/8.00     |
| POLY-3 PERCENT (g)       | 0%        | 0%       | 0%       | 0%       | 0%        | 100%       |
| TERMINAL (d)             | 0/8 (0%)  | 0/1 (0%) | 0/0 (0%) | 0/1 (0%) | 0/8 (0%)  | 8/8 (100%) |
| FIRST INCIDENCE          | ---       | ---      | ---      | ---      | ---       | 102 (T)    |
| <b>STATISTICAL TESTS</b> |           |          |          |          |           |            |
| POLY 3                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 1.5                 | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| POLY 6                   | (e)       | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| COCH-ARM / FISHERS       | P<0.001** | (e)      | (e)      | (e)      | (e)       | P<0.001**  |
| MAX-ISO-POLY-3           | (e)       | (e)      | (e)      | (e)      | (e)       | (e)        |

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

| DOSE                     | Females  |            |          |            |           |           |
|--------------------------|----------|------------|----------|------------|-----------|-----------|
|                          | CONTROL  | 10 UG/ML   | 25 UG/ML | 50 UG/ML   | 100 UG/ML | 250 UG/ML |
| <b>Uterus Dilatation</b> |          |            |          |            |           |           |
| <b>LESION RATES</b>      |          |            |          |            |           |           |
| OVERALL (a)              | 0/8 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 0/8 (0%)  | 0/8 (0%)  |
| POLY-3 RATE (b)          | 0/8.00   | 1/1.00     | 0/0.00   | 1/1.00     | 0/8.00    | 0/8.00    |
| POLY-3 PERCENT (g)       | 0%       | 100%       | 0%       | 100%       | 0%        | 0%        |
| TERMINAL (d)             | 0/8 (0%) | 1/1 (100%) | 0/0 (0%) | 1/1 (100%) | 0/8 (0%)  | 0/8 (0%)  |
| FIRST INCIDENCE          | ---      | 102 (T)    | ---      | 102 (T)    | ---       | ---       |
| <b>STATISTICAL TESTS</b> |          |            |          |            |           |           |
| POLY 3                   | (e)      | P=0.111    | (e)      | P=0.111    | (e)       | (e)       |
| POLY 1.5                 | (e)      | P=0.111    | (e)      | P=0.111    | (e)       | (e)       |
| POLY 6                   | (e)      | P=0.111    | (e)      | P=0.111    | (e)       | (e)       |
| COCH-ARM / FISHERS       | P=0.269N | P=0.111    | (e)      | P=0.111    | (e)       | (e)       |
| MAX-ISO-POLY-3           | (e)      | P<0.001**  | (e)      | P<0.001**  | (e)       | (e)       |

Experiment Number: 20313 - 01  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Acrylamide  
CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
Time Report Requested: 15:04:22  
First Dose M/F: 07/12/04 / 07/12/04  
Lab: NCTR

## 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 \*\*\*